Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Саранск (8342)22-96-24
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35
Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70 **Казахстан** +7(7172)727-132 **Киргизия** +996(312)96-26-47

www.norgren.nt-rt.ru | | ner@nt-rt.ru

Технические характеристики на аксессуары для реле давления, аксессуары для трубок и шлангов, аксессуары для вакуумных присосок, сильфонов компании IMI NORGREN

Виды товаров:
аксессуары для трубок и шлангов – шаровые краны, базы и аксессуары, продувочные пистолеты, кабели и разъемы, электромагнитные клапаны, гайки, крепления, быстроразъемные соединения, запорные клапаны, глушители и др.;
аксессуары для реле давления – электрические вилки с кабельным вводом, электрические разъемы, монтажные хомуты, кабели, крепления, дроссельные винты, din-рейки, адаптеры и др.;
аксессуары для вакуумных присосок, сильфонов – вакуумметры, глушители, компенсаторы, гибкие соединители и др.

V10009-C00

VS18 and VS26 Series Accessories

Overview Technical Details

Medium:	Compressed Air

Technical Details

Medium	Compressed Air
Certification - ATEX	Yes
Certification - REACH	Available on request
Certification - RoHS Compliant	Available on request
Certification - WEEE	NonWEEE
Classification - eClass 11	51030791
Classification - HS Code	85444290
Classification - HTS Code	8544420000
Classification - MIL Spec	Unavailable
Classification - UNSPCS Code	39121402
Classification - US ECCN	EAR99
Weight	0.07 kg
Range	VS18/VS26
Series	VS18/VS26
Brand	Norgren

V70531-KA0

VS18 and VS26 Series Accessories

Overview Technical Details

Technical Details

Certification - ATEX	Yes
Certification - REACH	Available on request
Certification - RoHS Compliant	Available on request
Certification - WEEE	WEEE
Classification - eClass 11	51030701
Classification - HS Code	84819000
Classification - HTS Code	8481900020
Classification - MIL Spec	Unavailable
Classification - UNSPCS Code	27131600
Classification - US ECCN	EAR99
Dimensions - Height	11 mm
Dimensions - Length	78.5 mm
Dimensions - Width	65 mm
Weight	0.001 kg
Range	VS18/VS26
Series	VS18/VS26
Brand	Norgren

- **Port size: G1/4**
- **Exhausts air when nozzle is blocked**
- **Complies with O.S.H.A.**

The USA O.S.H.A. recommendations state that nozzle pressures should not exceed 2 bar. This ensures that the blocked end condition pressure will not exceed the 0,4 bar that could penetrate human skin with possibly fatal consequences. Blow guns should always be supplied through a suitable pressure regulator to ensure safe operation

Technical features

Medium:
Non-lubricated compressed air, filtered

Operating pressure:
10 bar (145 psi) maximum

Port size:
G1/4

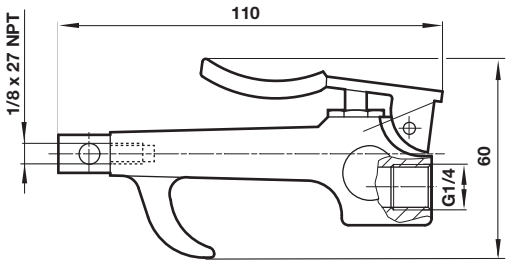
Ambient/Media temperature:
+80°C (+176°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F)

Materials:
Body:
BG4000: brass bright chrome finish
BG5000: one piece design in moulded high impact plastic

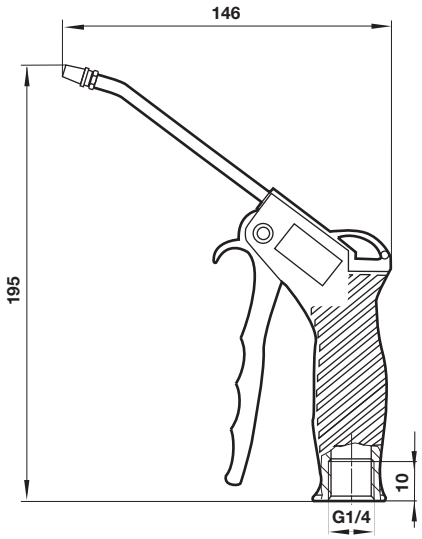
Dimensions

Dimensions in mm
Projection/First angle

BG4000



BG5000



Warning

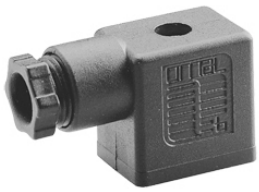
These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under **»Technical features/data«**.
Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult IMI NORGREN.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.
System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.
System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.

Electrical plug with cable gland

Item: 0570275000000000



MORE INFO

In Stock

Norgren Shipping Date 19/08/2023

Electrical plug with cable gland

Item: M/P19063

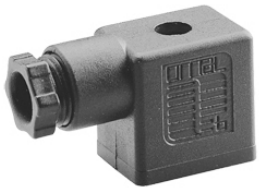
MORE INFO

In Stock

Norgren Shipping Date 19/08/2023

Electrical plug with cable gland

Item: 0680003000000000



MORE INFO

In Stock

Norgren Shipping Date 19/08/2023

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Electrical Connectors M12 x 1

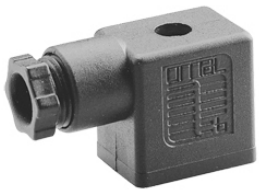
Item: 0250081000000000

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Electrical plug with cable gland

Item: 0570110000000000



MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Wall mounting kit

Item: 34D-BRKT-ANGLED

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Mounting clamp

Item: 34D-FLANGE-ADPT

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Electrical Connectors M12 x 1

Item: 0523058000000000

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Mounting clamp

Item: 34D-BRKT-BODY

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Electrical Connectors M12 x 1

Item: 0250813000000000

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Electrical Connectors M12 x 1

Item: 0523053000000000

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

51D Mountings

Item: 0860000000000000

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

1.5m Cable, 4-pin

Item: 0523449000000000

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

5m Cable, 4-pin, 90° angled

Item: 0523448000000000

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Throttle screw

Item: 34D-DAMPING-SCRW

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Electrical Connectors M12 x 1

Item: 0250811000000000

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Electrical plug with cable gland

Item: 0664812000000000

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

51D Mountings

Item: 0860001000000000

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

5m Cable, 4-pin

Item: 0523447000000000

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Electrical Connectors M12 x 1

Item: 0523057000000000

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Safety Adaptors

Item: 0860003000000000

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Cover protection

Item: 34D-COVER-PROTEC

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Adapter G1/4 - 1/4 NPT

Item: 34D-14G-NPT-ADPT

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

1.5m Cable, 4-pin, 90° angled

Item: 0523446000000000

MORE INFO

In Stock

Norgren Shipping Date 19/08/2023

Bracket - Steel

Item: 0574772000000000

MORE INFO

Norgren Shipping Date 13/10/2023

Adapter G1/4 - G1/4

Item: 34D-14G-G-ADPT

MORE INFO

Norgren Shipping Date 15/09/2023

Electrical plug with cable gland

M/P24120/1

Indicator Plug

Overview Technical Details

Technical Details

Certification - IP Rating	IP65
Certification - REACH	Available on request
Certification - RoHS Compliant	Available on request
Certification - WEEE	WEEE
Classification - eClass 11	51030791
Classification - HS Code	85369095
Classification - HTS Code	8536900090
Classification - MIL Spec	Unavailable
Classification - UNSPCS Code	39121402
Classification - US ECCN	EAR99
Dimensions - Height	30 mm
Dimensions - Length	30 mm
Dimensions - Width	22 mm
Weight	0.027 kg
Range	M/P24
Brand	Norgren

M/P24120/2

Indicator Plug

Overview Technical Details

Technical Details

Certification - IP Rating	IP65
Certification - REACH	Available on request
Certification - RoHS Compliant	Available on request
Certification - WEEE	WEEE
Classification - eClass 11	51030791
Classification - HS Code	85369095
Classification - HTS Code	8536900090
Classification - MIL Spec	Unavailable
Classification - UNSPCS Code	39121402
Classification - US ECCN	EAR99
Dimensions - Height	30 mm
Dimensions - Length	30 mm
Dimensions - Width	22 mm
Range	M/P24
Brand	Norgren

M/P24120/3

Indicator Plug

Overview Technical Details

Technical Details

Certification - IP Rating	IP65
Certification - REACH	Available on request
Certification - RoHS Compliant	Available on request
Certification - WEEE	WEEE
Classification - eClass 11	51030791
Classification - HS Code	85369095
Classification - HTS Code	8536900090
Classification - MIL Spec	Unavailable
Classification - UNSPCS Code	39121402
Classification - US ECCN	EAR99
Dimensions - Height	30 mm
Dimensions - Length	30 mm
Dimensions - Width	22 mm
Range	M/P24
Brand	Norgren

M/P43313/1

Plug with Moulded Cable

Overview Technical Details

Cable length:	1 m

Technical Details

Cable Length	1 m
Certification - IP Rating	IP65
Certification - REACH	Available on request
Certification - RoHS Compliant	Available on request
Certification - WEEE	WEEE
Classification - eClass 11	51030791
Classification - HS Code	85369095
Classification - HTS Code	8536900090
Classification - MIL Spec	Unavailable
Classification - UNSPCS Code	39121402
Classification - US ECCN	EAR99
Dimensions - Height	30 mm
Dimensions - Length	30 mm
Dimensions - Width	22 mm
Range	M/P43000
Brand	Norgren

M/P43313/3

Plug with Moulded Cable

Overview Technical Details

Cable length:	3 m

Technical Details

Cable Length	3 m
Certification - IP Rating	IP65
Certification - REACH	Available on request
Certification - RoHS Compliant	Available on request
Certification - WEEE	WEEE
Classification - eClass 11	51030791
Classification - HS Code	85369095
Classification - HTS Code	8536900090
Classification - MIL Spec	Unavailable
Classification - UNSPCS Code	39121402
Classification - US ECCN	EAR99
Dimensions - Height	30 mm
Dimensions - Length	30 mm
Dimensions - Width	22 mm
Weight	0.224 kg
Range	M/P43000
Brand	Norgren

M/P43314/11

Plug with Moulded Cable

Overview Technical Details

Cable length:	1 m

Technical Details

Cable Length	1 m
Range	M/P43000
Brand	Norgren

M/P43314/13

Plug with Moulded Cable

Overview Technical Details

Cable length:	3 m

Technical Details

Cable Length	3 m
Certification - IP Rating	IP65
Certification - REACH	Available on request
Certification - RoHS Compliant	Available on request
Certification - WEEE	WEEE
Classification - eClass 11	51030791
Classification - HS Code	85369095
Classification - HTS Code	8536900090
Classification - MIL Spec	Unavailable
Classification - UNSPCS Code	39121402
Classification - US ECCN	EAR99
Dimensions - Height	30 mm
Dimensions - Length	30 mm
Dimensions - Width	22 mm
Weight	0.23 kg
Range	M/P43000
Brand	Norgren

M/P43314/21

Plug with Moulded Cable

Overview Technical Details

Cable length:	1 m

Technical Details

Cable Length	1 m
Range	M/P43000
Brand	Norgren

M/P43314/23

Plug with Moulded Cable

Overview Technical Details

Cable length:	3 m

Technical Details

Cable Length	3 m
Certification - IP Rating	IP65
Certification - REACH	Available on request
Certification - RoHS Compliant	Available on request
Certification - WEEE	WEEE
Classification - eClass 11	51030791
Classification - HS Code	85369095
Classification - HTS Code	8536900090
Classification - MIL Spec	Unavailable
Classification - UNSPCS Code	39121402
Classification - US ECCN	EAR99
Dimensions - Height	30 mm
Dimensions - Length	30 mm
Dimensions - Width	22 mm
Weight	0.44 kg
Range	M/P43000
Brand	Norgren

M/P43314/31

Plug with Moulded Cable

Overview Technical Details

Cable length:	1 m

Technical Details

Cable Length	1 m
Range	M/P43000
Brand	Norgren

M/P43314/33

Plug with Moulded Cable

Overview Technical Details

Cable length:	3 m

Technical Details

Cable Length	3 m
Certification - IP Rating	IP65
Certification - REACH	Available on request
Certification - RoHS Compliant	Available on request
Certification - WEEE	WEEE
Classification - eClass 11	51030791
Classification - HS Code	85369095
Classification - HTS Code	8536900090
Classification - MIL Spec	Unavailable
Classification - UNSPCS Code	39121402
Classification - US ECCN	EAR99
Dimensions - Height	30 mm
Dimensions - Length	30 mm
Dimensions - Width	22 mm
Weight	0.22 kg
Range	M/P43000
Brand	Norgren

M/P43315/1

Plug with Moulded Cable

Overview Technical Details

Cable length:	1 m

Technical Details

Cable Length	1 m
Certification - IP Rating	IP65
Certification - REACH	Available on request
Certification - RoHS Compliant	Available on request
Certification - WEEE	WEEE
Classification - eClass 11	51030791
Classification - HS Code	85369095
Classification - HTS Code	8536900090
Classification - MIL Spec	Unavailable
Classification - UNSPCS Code	39121402
Classification - US ECCN	EAR99
Dimensions - Height	30 mm
Dimensions - Length	30 mm
Dimensions - Width	22 mm
Range	M/P43000
Brand	Norgren

M/P43315/3

Plug with Moulded Cable

Overview Technical Details

Cable length:	3 m

Technical Details

Cable Length	3 m
Certification - IP Rating	IP65
Certification - REACH	Available on request
Certification - RoHS Compliant	Available on request
Certification - WEEE	WEEE
Classification - eClass 11	51030791
Classification - HS Code	85369095
Classification - HTS Code	8536900090
Classification - MIL Spec	Unavailable
Classification - UNSPCS Code	39121402
Classification - US ECCN	EAR99
Dimensions - Height	30 mm
Dimensions - Length	30 mm
Dimensions - Width	22 mm
Weight	0.235 kg
Range	M/P43000
Brand	Norgren

M/P43316/11

Plug with Moulded Cable

Overview Technical Details

Cable length:	1 m

Technical Details

Cable Length	1 m
Range	M/P43000
Brand	Norgren

M/P43316/13

Plug with Moulded Cable

Overview Technical Details

Cable length:	3 m

Technical Details

Cable Length	3 m
Certification - IP Rating	IP65
Certification - REACH	Available on request
Certification - RoHS Compliant	Available on request
Certification - WEEE	WEEE
Classification - eClass 11	51030791
Classification - HS Code	85369095
Classification - HTS Code	8536900090
Classification - MIL Spec	Unavailable
Classification - UNSPCS Code	39121402
Classification - US ECCN	EAR99
Dimensions - Height	30 mm
Dimensions - Length	30 mm
Dimensions - Width	22 mm
Range	M/P43000
Brand	Norgren

M/P43316/23

Plug with Moulded Cable

Overview Technical Details

Cable length:	3 m

Technical Details

Cable Length	3 m
Certification - IP Rating	IP65
Certification - REACH	Available on request
Certification - RoHS Compliant	Available on request
Certification - WEEE	WEEE
Classification - eClass 11	51030791
Classification - HS Code	85369095
Classification - HTS Code	8536900090
Classification - MIL Spec	Unavailable
Classification - UNSPCS Code	39121402
Classification - US ECCN	EAR99
Dimensions - Height	30 mm
Dimensions - Length	30 mm
Dimensions - Width	22 mm
Range	M/P43000
Brand	Norgren

M/P43316/31

Plug with Moulded Cable

Overview Technical Details

Cable length:	1 m

Technical Details

Cable Length	1 m
Range	M/P43000
Brand	Norgren

M/P43316/33

Plug with Moulded Cable

Overview Technical Details

Cable length:	3 m

Technical Details

Cable Length	3 m
Certification - IP Rating	IP65
Certification - REACH	Available on request
Certification - RoHS Compliant	Available on request
Certification - WEEE	WEEE
Classification - eClass 11	51030791
Classification - HS Code	85369095
Classification - HTS Code	8536900090
Classification - MIL Spec	Unavailable
Classification - UNSPCS Code	39121402
Classification - US ECCN	EAR99
Dimensions - Height	30 mm
Dimensions - Length	30 mm
Dimensions - Width	22 mm
Range	M/P43000
Brand	Norgren

Light Emitting Gasket

Item: M/P40861

Connector type: 30mm Industrial standard

MORE INFO

In Stock

Norgren Shipping Date 19/08/2023

Light Emitting Gasket

Item: M/P40860

Connector type: 22mm Industrial standard

MORE INFO

In Stock

Norgren Shipping Date 19/08/2023

Light Emitting Gasket

Item: M/P40862

Connector type: 30mm Industrial standard

MORE INFO

In Stock

Norgren Shipping Date 19/08/2023

Light Emitting Gasket

Item: V10037-E19

Connector type: 15mm Industrial standard

MORE INFO

Light Emitting Gasket

Item: V10037-E13

Connector type: 15mm Industrial standard

MORE INFO

Norgren Shipping Date 01/09/2023

Light Emitting Gasket

Item: M/P40880

Connector type: 30mm Industrial standard

MORE INFO

Light Emitting Gasket

Item: M/P40886

Connector type:	22mm Industrial standard

MORE INFO

15mm Plugs according to DIN 43650 Form C

Item: V10027-D00

Connector type: 15mm Industrial standard

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

15mm Plugs according to DIN 43650 Form C

Item: V10012-D13

Connector type: DIN 43 650 Form C

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

15mm Plugs according to DIN 43650 Form C

Item: V10012-D19

Connector type: 15mm Industrial standard

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

15mm Plugs according to DIN 43650 Form C

Item: V10013-D01

Cable length:	1
Connector type:	15mm Industrial standard

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

15mm Plugs according to DIN 43650 Form C

Item: V10013-D03

Cable length:	3
Connector type:	15mm Industrial standard

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

15mm Plugs according to DIN 43650 Form C

Item: V10015-D03

Cable length:	3
Connector type:	15mm Industrial standard

MORE INFO

15mm Plugs according to DIN 43650 Form C

Item: V10014-D03

Cable length:	3
Connector type:	15mm Industrial standard

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

15mm Plugs according to DIN 43650 Form C

Item: V10016-D03

Cable length:	3
Connector type:	15mm Industrial standard

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

15mm Plugs according to DIN 43650 Form C

Item: V10015-D01

Cable length:	1
Connector type:	15mm Industrial standard

MORE INFO

Herion Spare Coils

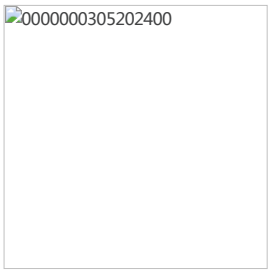
Item: 0000000305002400

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000305202400

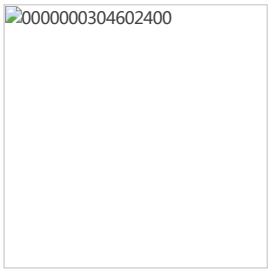


MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000304602400



MORE INFO

Herion Spare Coils

Item: 0000000015402400

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

4610 Spare Coil

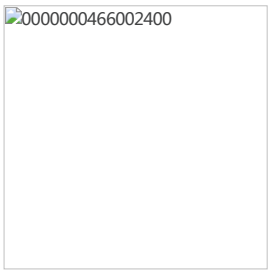
Item: 0000000461002400

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

IMI Herion Spare Ex-Solenoid

Item: 0000000466002400



MORE INFO

IMI Herion Spare Ex-Solenoid

Item: 0000000426002400

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000303402400

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Solenoid Coil

Item: 0000000421002400

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000306323050

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000303023050

MORE INFO

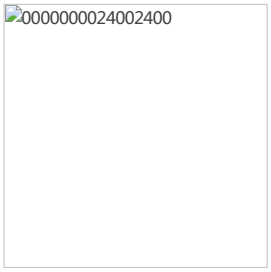
In Stock
Norgren Shipping Date 19/08/2023

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000024002400



MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Solenoid Coil

Item: 0000000421123050

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Buschjost Spare Coil

Item: 0000000.9116.02400

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000015202450

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000024601200

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000024611000

MORE INFO

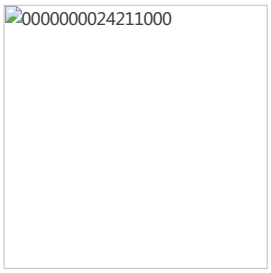
In Stock
Norgren Shipping Date 19/08/2023

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000024211000



MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Spare Coils for Excel

Item: V05X286A-Q1233

Operating temperature:	-20 ... 50 °C

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

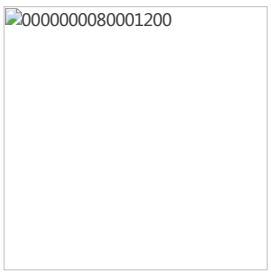
Item: 0000000011002400

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000080001200



MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Spare Coils for Excel

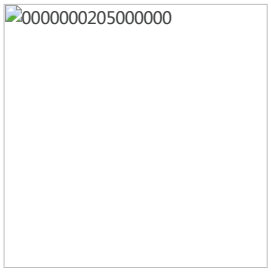
Item: V05X286A-Q1238

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

IMI Herion Spare Ex-Solenoid

Item: 0000000205000000



MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000024623050

MORE INFO

In Stock

Herion Spare Coils

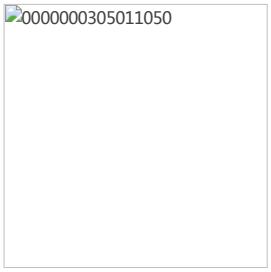
Item: 0000000070011050

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000305011050



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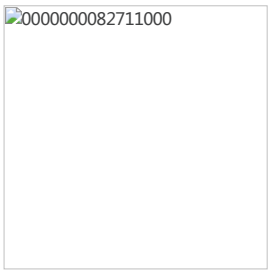
In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000082711000



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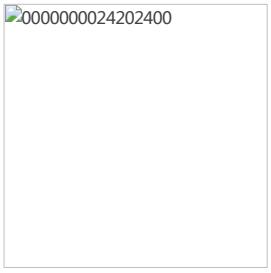
Item: 0000000370323050

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000024202400



MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000480202400

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000080004850

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000380302450

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000080012060

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000025302400

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Buschjost Spare Coil

Item: 0000000.9151.02400

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Solenoid Coil

Item: 0000000422002400

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

IMI Herion Spare Ex-Solenoid

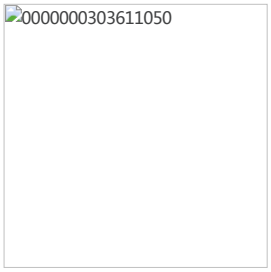
Item: 0000000427123050

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000303611050



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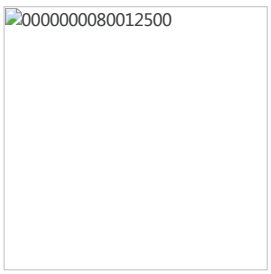
In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000080012500



MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Solenoid Coil

Item: 0000000422123050

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000303212500

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

IMI Herion Spare Ex-Solenoid

Item: 0000000420002400

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000024111050

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000306311050

MORE INFO

In Stock

Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000303602450

MORE INFO

In Stock

Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000303602400

MORE INFO

Herion Spare Coils

Item: 0000000020023050

MORE INFO

In Stock

Norgren Shipping Date 19/08/2023

Buschjost Spare Coil

Item: 0000000.8171.02400

MORE INFO

In Stock

Norgren Shipping Date 19/08/2023

IMI Herion Spare Ex-Solenoid

Item: 0000000467123050

MORE INFO

In Stock

Norgren Shipping Date 19/08/2023

Item: 0000000303002450

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

9100 Spare Coil

Item: 0000000.9100.23050

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Buschjost Spare Coil

Item: 0000000.9100.02450

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000070022000

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000024604850

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Buschjost Spare Coil

Item: 0000000.9100.11050

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000305201200

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Spare Coils for Excel

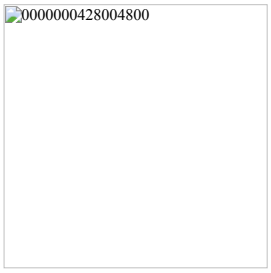
Item: V04X286A-Q1222

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000428004800



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In Stock
Norgren Shipping Date 19/08/2023

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000382602400

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000305223050

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Spare Coils for Excel

Item: V04X286A-Q1224

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000303302400

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

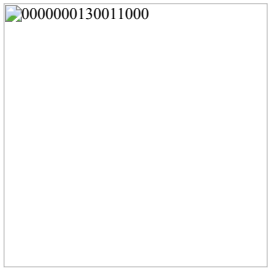
Item: 0000000071202400

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000130011000



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In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

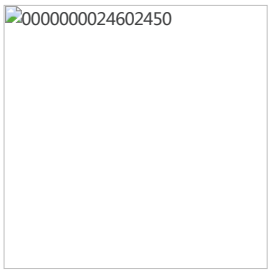
Item: 0000000024611050

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000024602450



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In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

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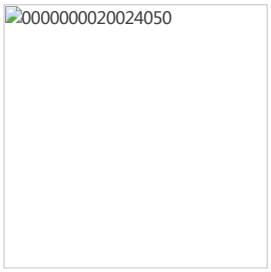

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Herion Spare Coils

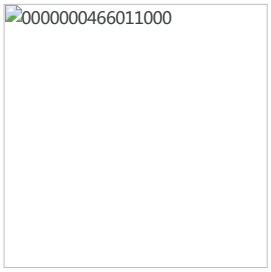
Item: 0000000020002450

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

IMI Herion Spare Ex-Solenoid

Item: 0000000466011000



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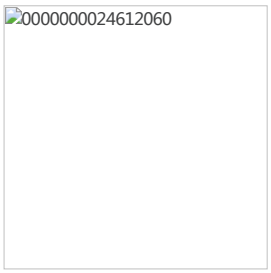
In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000024612060



MORE INFO

Herion Spare Coils

Item: 0000000321502400

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

IMI Herion Spare Ex-Solenoid

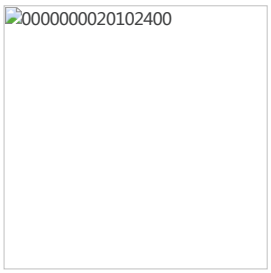
Item: 0000000460123050

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000020102400



MORE INFO

Herion Spare Coils

Item: 0000000024612500

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000029202400

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Buschjost Spare Coil

Item: 0000000.9101.11050

MORE INFO

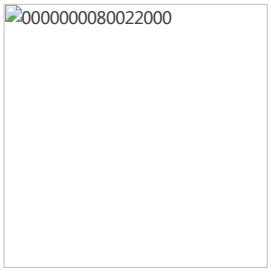
In Stock
Norgren Shipping Date 19/08/2023

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000080022000



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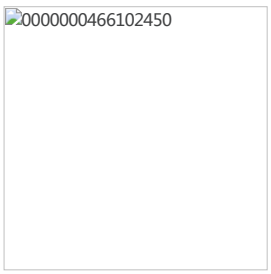
In Stock
Norgren Shipping Date 19/08/2023

IMI Herion Spare Ex-Solenoid

Item: 0000000466102450



MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

IMI Herion Spare Ex-Solenoid

Item: 0000000467111050

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

IMI Herion Spare Solenoid

Item: 0000000412123050

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Buschjost Spare Coil

Item: 0000000.9154.23049

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Solenoid Coil

Item: 0000000423123050

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

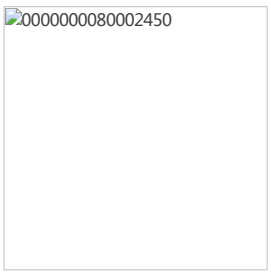
Item: 0000000029123050

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000080002450



MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Coil code:	3206
Series:	Herion Solenoid Coils

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

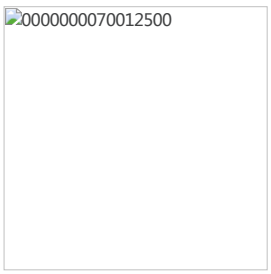
Item: 0000000130111050

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000070012500



MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000144002400

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

IMI Herion Spare Ex-Solenoid

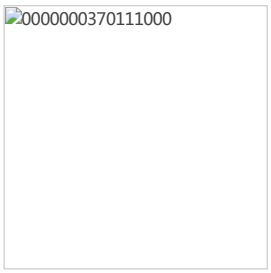
Item: 0000000426104850

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000370111000



MORE INFO

In Stock

Herion Spare Coils

Item: 0000000487202400

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

IMI Herion Spare Ex-Solenoid

Item: 0000000467011000

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

IMI Herion Spare Ex-Solenoid

Item: 0000000467211000

MORE INFO

Herion Spare Coils

Item: 0000000070002450

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Buschjost Spare Coil

Item: 0000000.9101.01200

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000150022000

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

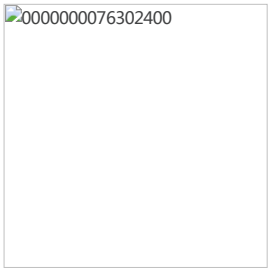
Item: 0000000306004800

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000076302400



MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000080011050

MORE INFO

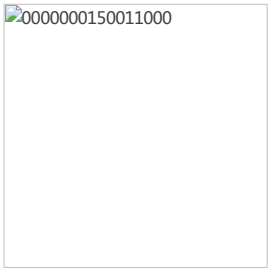
In Stock
Norgren Shipping Date 19/08/2023

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000150011000



MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000303211050

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Buschjost Spare Coil

Item: 0000000.9151.23050

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000305212060

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000320411050

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000015223050

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

IMI Herion Spare Ex-Solenoid

Item: 0000000467002400

MORE INFO

Low Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000320402450

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000150111050

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000144011000

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000428102450

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

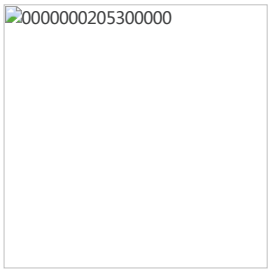
Item: 0000000303204800

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

IMI Herion Spare Ex-Solenoid

Item: 0000000205300000



MORE INFO

Spare Coils for Excel

Item: V05X286A-Q1234

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000024102450

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Buschjost Spare Coil

Item: 0000000.9168.02400

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000020004850

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000074002400

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Buschjost Spare Coil

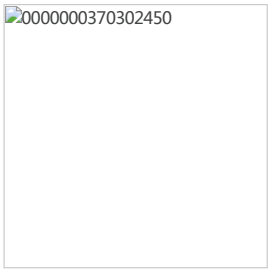
Item: 0000000.9356.23049

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000370302450



MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

IMI Herion Spare Ex-Solenoid

MORE INFO

Low Stock
Norgren Shipping Date 19/08/2023

IMI Herion Spare Solenoid

Item: 0000000076320000

MORE INFO

Low Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000020004800

MORE INFO

Low Stock
Norgren Shipping Date 19/08/2023

MORE INFO

Low Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

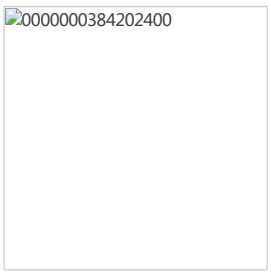
Item: 0000000024604800

MORE INFO

Low Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000384202400



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Low Stock
Norgren Shipping Date 19/08/2023

MORE INFO

Low Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

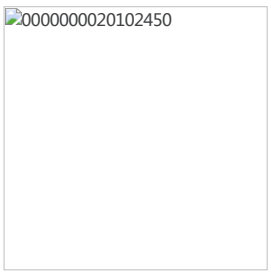
Item: 0000000400123050

MORE INFO

Low Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

Item: 0000000020102450



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Low Stock
Norgren Shipping Date 19/08/2023

MORE INFO

Low Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

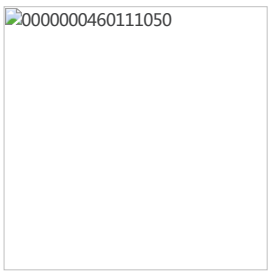
Item: 0000000410123050

MORE INFO

Low Stock
Norgren Shipping Date 19/08/2023

IMI Herion Spare Ex-Solenoid

Item: 0000000460111050



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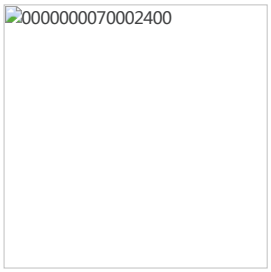
Norgren Shipping Date 19/08/2023



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In Stock
Norgren Shipping Date 19/08/2023

Herion Spare Coils

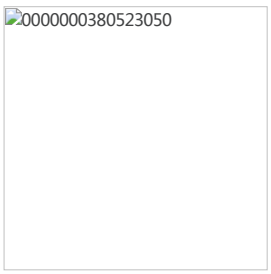
Item: 0000000380323050

MORE INFO

Norgren Shipping Date 17/10/2023

Herion Spare Coils

Item: 0000000380523050



MORE INFO

Norgren Shipping Date 20/10/2023

IMI Herion Spare Ex-Solenoid

Item: 0000000205000000-01

MORE INFO

Norgren Shipping Date 06/10/2023

Herion Spare Coils

Item: 0000000303202400

MORE INFO

Norgren Shipping Date 15/11/2023

Herion Spare Coils

Item: 0000000306202400

MORE INFO

Herion Spare Coils

Item: 0000000303623050

MORE INFO

Norgren Shipping Date 15/11/2023

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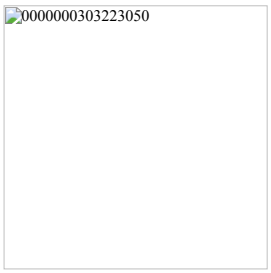
Herion Spare Coils

Item: 0000000303223050



MORE INFO

IMI Herion Spare Ex-Solenoid

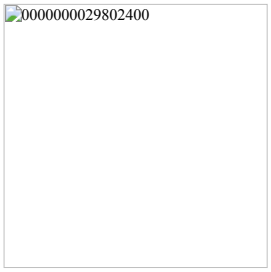
Item: 0000000467202400

MORE INFO

Norgren Shipping Date 29/03/2024

IMI Herion Spare Ex-Solenoid

Item: 0000000029802400



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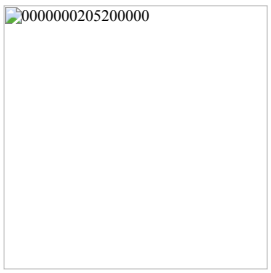
Norgren Shipping Date 06/10/2023

IMI Herion Spare Ex-Solenoid

Item: 0000000205200000



MORE INFO

Herion Spare Coils

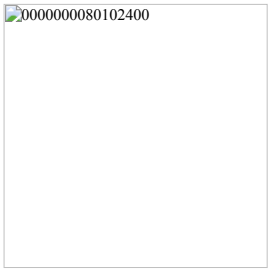
Item: 0000000024702400

MORE INFO

Norgren Shipping Date 15/09/2023

Herion Spare Coils

Item: 0000000080102400



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Herion Spare Coils

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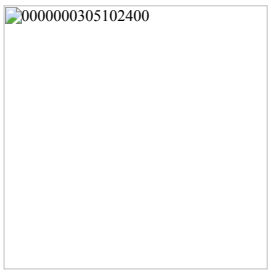


MORE INFO

IMI Herion Spare Ex-Solenoid

Item: 0000000467323050

MORE INFO

Norgren Shipping Date 29/03/2024

Buschjost Spare Coil

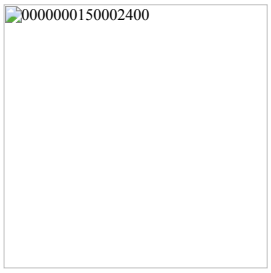
Item: 0000000.9150.02400

MORE INFO

Norgren Shipping Date 27/09/2023

Herion Spare Coils

Item: 0000000150002400



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Norgren Shipping Date 31/10/2023

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Norgren Shipping Date 05/12/2023

Herion Spare Coils

Item: 0000000303702400

MORE INFO

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Herion Spare Coils

Item: 0000000024723050

MORE INFO

Norgren Shipping Date 19/09/2023

MORE INFO

Norgren Shipping Date 13/10/2023

IMI Herion Spare Ex-Solenoid

Item: 0000000426002400-01

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Norgren Shipping Date 11/10/2023

IMI Herion Spare Ex-Solenoid

Item: 0000000382402400

MORE INFO

Norgren Shipping Date 26/10/2023

Herion Spare Coils

MORE INFO

Norgren Shipping Date 13/10/2023

Herion Spare Coils

Item: 0000000024123050

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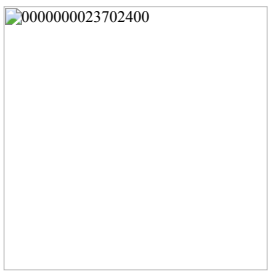
Norgren Shipping Date 25/09/2023

Herion Spare Coils

Item: 0000000023702400



MORE INFO

Norgren Shipping Date 26/09/2023

Coil code:	0701
Series:	Herion Solenoid Coils

MORE INFO

Norgren Shipping Date 28/09/2023

Herion Spare Coils

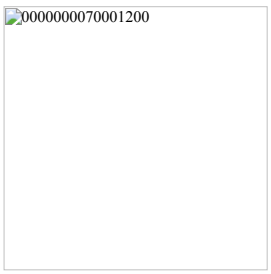
Item: 0000000461202400

MORE INFO

Norgren Shipping Date 29/03/2024

Herion Spare Coils

Item: 0000000070001200



MORE INFO

Norgren Shipping Date 24/10/2023

Herion Spare Coils

Item: 0000000076902400

MORE INFO

Norgren Shipping Date 11/10/2023

Herion Spare Coils

Item: 0000000468202400

MORE INFO

Norgren Shipping Date 29/03/2024

IMI Herion Spare Ex-Solenoid

Item: 0000000466202400-01

MORE INFO

Herion Spare Coils

Item: 0000000303202450

MORE INFO

Norgren Shipping Date 15/11/2023

Buschjost Spare Coil

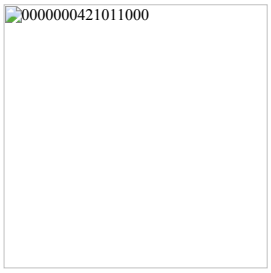
Item: 0000000.8171.23050

MORE INFO

Norgren Shipping Date 27/09/2023

Herion Spare Coils

Item: 0000000421011000



MORE INFO

Norgren Shipping Date 13/10/2023

MORE INFO

Norgren Shipping Date 29/03/2024

IMI Herion Spare Ex-Solenoid

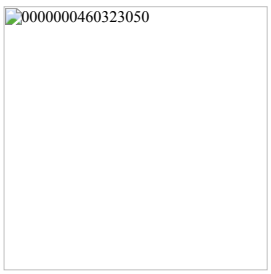
Item: 0000000466111050

MORE INFO

Norgren Shipping Date 29/03/2024

IMI Herion Spare Ex-Solenoid

Item: 0000000460323050



MORE INFO

Norgren Shipping Date 29/03/2024

MORE INFO

Norgren Shipping Date 13/10/2023

Buschjost Spare Coil

Item: 0000000.9782.02400

MORE INFO

Norgren Shipping Date 27/09/2023

Buschjost Spare Coil

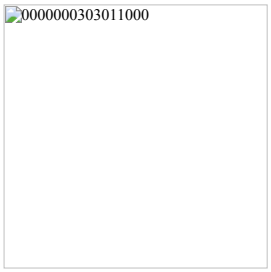
Item: 0000000.8000.23050

MORE INFO

Norgren Shipping Date 27/09/2023

Herion Spare Coils

Item: 0000000130123050



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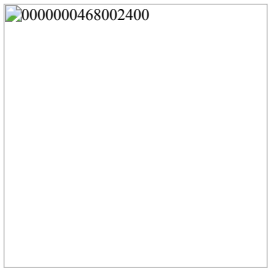
Norgren Shipping Date 15/11/2023

Herion Spare Coils

Item: 0000000468002400



MORE INFO

Norgren Shipping Date 29/03/2024

Buschjost Spare Coil

Item: 0000000.8001.02400

MORE INFO

Norgren Shipping Date 27/09/2023

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Norgren Shipping Date 29/03/2024

IMI Herion Spare Solenoid

Item: 0000000076304800

MORE INFO

Norgren Shipping Date 11/10/2023

Herion Spare Coils

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Norgren Shipping Date 27/10/2023

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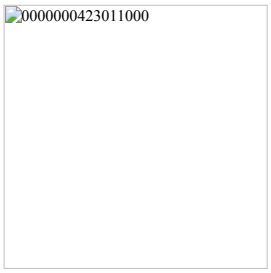
Norgren Shipping Date 05/01/2024

Herion Spare Coils

Item: 0000000423011000



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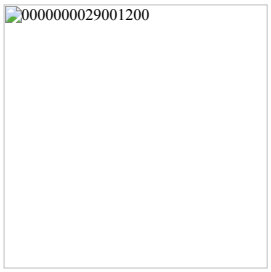
Norgren Shipping Date 24/10/2023

IMI Herion Spare Ex-Solenoid

Item: 0000000382723050

MORE INFO

Norgren Shipping Date 06/10/2023



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Norgren Shipping Date 20/10/2023

Herion Spare Coils

Item: 0000000380423050

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Norgren Shipping Date 28/09/2023

Buschjost Spare Coil

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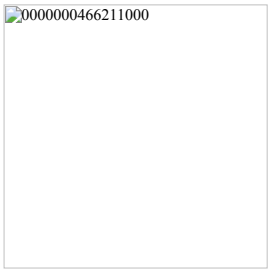
MORE INFO

Norgren Shipping Date 27/09/2023



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Norgren Shipping Date 29/03/2024

IMI Herion Spare Ex-Solenoid

Item: 0000000420011000

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Herion Spare Coils

Item: 0000000321823050

MORE INFO

Norgren Shipping Date 13/10/2023

IMI Herion Spare Ex-Solenoid

Item: 0000000420111050

MORE INFO

Norgren Shipping Date 18/10/2023

Buschjost Spare Coil

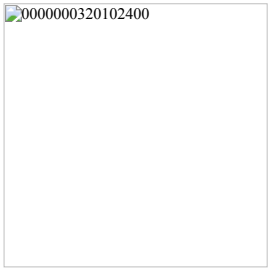
Item: 0000000.8404.23049

MORE INFO

Norgren Shipping Date 27/09/2023

Herion Spare Coils

Item: 0000000320102400



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Norgren Shipping Date 18/10/2023

Herion Spare Coils

Item: 0000000370523050

MORE INFO

Norgren Shipping Date 20/10/2023

Herion Spare Coils

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Norgren Shipping Date 03/10/2023

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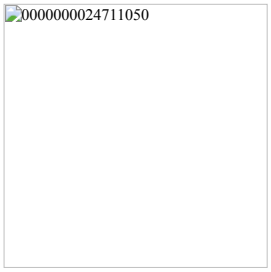
Norgren Shipping Date 09/10/2023

Herion Spare Coils

Item: 0000000024711050



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Norgren Shipping Date 09/10/2023

Herion Spare Coils

Item: 0000000462202400

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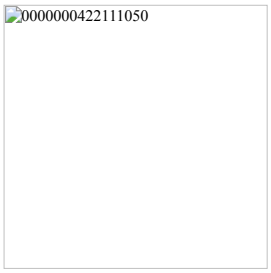
Norgren Shipping Date 05/01/2024

MORE INFO

Norgren Shipping Date 27/09/2023

Herion Spare Coils

Item: 0000000422111050



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Herion Spare Coils

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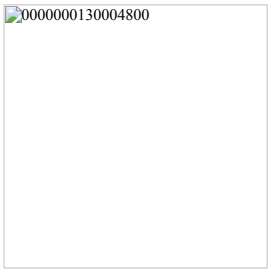
MORE INFO

Norgren Shipping Date 20/10/2023



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Herion Spare Coils

Item: 0000000400202400

MORE INFO

Norgren Shipping Date 02/11/2023

Herion Spare Coils

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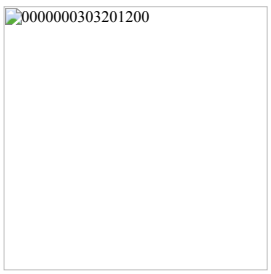

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Norgren Shipping Date 15/11/2023

MORE INFO

Norgren Shipping Date 25/10/2023

IMI Herion Spare Ex-Solenoid

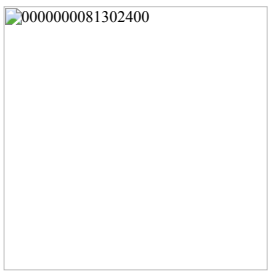
Item: 0000000466323050

MORE INFO

Norgren Shipping Date 29/03/2024

Herion Spare Coils

Item: 0000000081302400



MORE INFO

Norgren Shipping Date 13/10/2023

MORE INFO

Norgren Shipping Date 02/11/2023

Buschjost Spare Coil

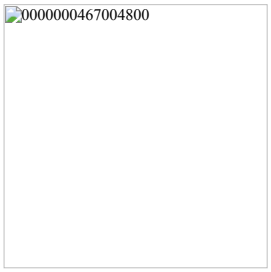
Item: 0000000.9404.23049

MORE INFO

Norgren Shipping Date 29/08/2023

IMI Herion Spare Ex-Solenoid

Item: 0000000467004800



MORE INFO

Norgren Shipping Date 29/03/2024

Herion Spare Coils

MORE INFO

Norgren Shipping Date 05/01/2024

IMI Herion Spare Ex-Solenoid

Item: 0000000420002400-01

MORE INFO

Norgren Shipping Date 13/10/2023

IMI Herion Spare Ex-Solenoid

Item: 0000000426012000

MORE INFO

Norgren Shipping Date 13/10/2023

Buschjost Spare Coil

MORE INFO

Norgren Shipping Date 27/09/2023

Buschjost Spare Coil

Item: 0000000.8304.23049

MORE INFO

Norgren Shipping Date 27/09/2023

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Herion Spare Coils

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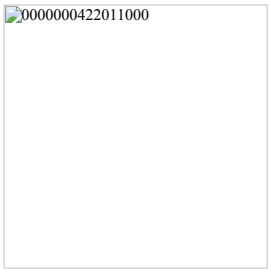

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IMI Herion Spare Ex-Solenoid

Item: 0000000426004800

MORE INFO

Norgren Shipping Date 13/10/2023

Herion Spare Coils

Item: 0000000468323050

MORE INFO

Herion Spare Coils

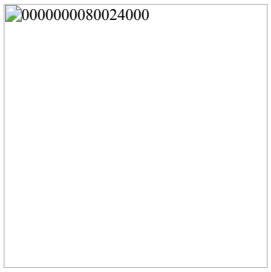
Item: 0000000370423050

MORE INFO

Norgren Shipping Date 05/01/2024

Herion Spare Coils

Item: 0000000080024000



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Buschjost Spare Coil

Item: 0000000.9152.23050

MORE INFO

Norgren Shipping Date 30/08/2023

Item: 0000000.8001.02450

MORE INFO

Norgren Shipping Date 27/09/2023

IMI Herion Spare Ex-Solenoid

Item: 0000000487323050

MORE INFO

Norgren Shipping Date 16/02/2024

Herion Spare Coils

Item: 0000000461323050

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Norgren Shipping Date 29/03/2024

MORE INFO

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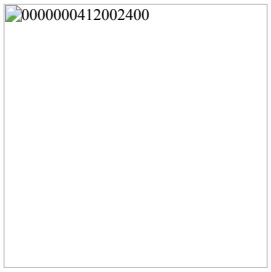
IMI Herion Spare Solenoid

Item: 0000000412002400



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Herion Spare Coils

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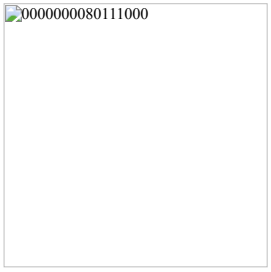

MORE INFO

Norgren Shipping Date 29/08/2023

MORE INFO

Norgren Shipping Date 27/09/2023

IMI Herion Spare Ex-Solenoid

Item: 0000000420002400-03

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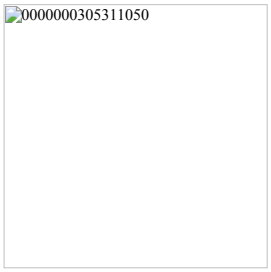
Herion Spare Coils

Item: 0000000305311050



MORE INFO

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Herion Spare Coils

MORE INFO

Norgren Shipping Date 12/03/2024

Buschjost Spare Coil

Item: 0000000.8301.02400

MORE INFO

Norgren Shipping Date 27/09/2023

Buschjost Spare Coil

Item: 0000000.9303.02450

MORE INFO

Norgren Shipping Date 09/10/2023

Buschjost Spare Coil

MORE INFO

Norgren Shipping Date 10/10/2023

IMI Herion Spare Solenoid

Item: 0000000380511050

MORE INFO

Norgren Shipping Date 07/03/2024

Herion Spare Coils

Item: 0000000020104850

MORE INFO

Norgren Shipping Date 09/10/2023

MORE INFO

Norgren Shipping Date 30/08/2023

Herion Spare Coils

Item: 0000000468111050

MORE INFO

Norgren Shipping Date 29/03/2024

Herion Spare Coils

Item: 0000000305102450

MORE INFO

Buschjost Spare Coil

MORE INFO

Norgren Shipping Date 30/08/2023

Buschjost Spare Coil

Item: 0000000.9302.23050

MORE INFO

Buschjost Spare Coil

Item: 0000000.9104.23049

MORE INFO

Norgren Shipping Date 27/09/2023

Herion Spare Coils

Item: 0000000305602400

Coil code: 3056

Buschjost Spare Coil

Item: 0000000.9302.11000

MORE INFO

Norgren Shipping Date 27/09/2023

IMI Herion Spare Ex-Solenoid

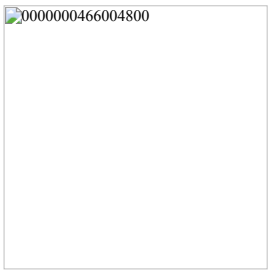
Item: 0000000466112050

MORE INFO

Norgren Shipping Date 29/03/2024

IMI Herion Spare Ex-Solenoid

Item: 0000000466004800



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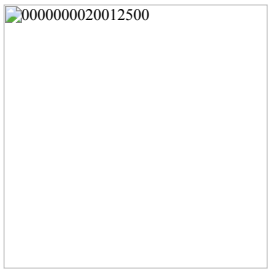
Herion Spare Coils

Item: 0000000020012500



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Norgren Shipping Date 03/11/2023

Herion Spare Coils

Item: 0000000015602400

MORE INFO

Norgren Shipping Date 07/11/2023

Buschjost Spare Coil

Item: 0000000.9406.23049

MORE INFO

Norgren Shipping Date 30/08/2023

MORE INFO

Norgren Shipping Date 01/09/2023

Herion Spare Coils

Item: 0000000303102400

MORE INFO

Norgren Shipping Date 01/09/2023

Herion Spare Coils

Item: 0000000082722000

MORE INFO

Norgren Shipping Date 14/12/2023

MORE INFO

Norgren Shipping Date 27/09/2023

Herion Spare Coils

Item: 0000000486202400

MORE INFO

Norgren Shipping Date 27/10/2023

Herion Spare Coils

Item: 0000000461311050

MORE INFO

Norgren Shipping Date 18/10/2023

MORE INFO

Norgren Shipping Date 16/02/2024

Buschjost Spare Coil

Item: 0000000.9504.23049

MORE INFO

Norgren Shipping Date 27/09/2023

Buschjost Spare Coil

Item: 0000000.9303.23050

MORE INFO

Norgren Shipping Date 27/09/2023

Buschjost Spare Coil

MORE INFO

Norgren Shipping Date 30/08/2023

Buschjost Spare Coil

Item: 0000000.9151.11050

MORE INFO

Norgren Shipping Date 27/09/2023

Herion Spare Coils

Item: 0000000762302400

MORE INFO

Norgren Shipping Date 06/09/2023

Herion Spare Coils

MORE INFO

Herion Spare Coils

Item: 0000000412202400

MORE INFO

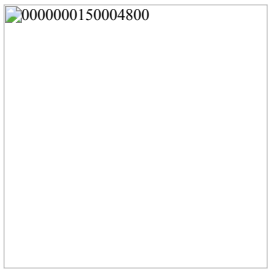
Norgren Shipping Date 27/10/2023

Herion Spare Coils

Item: 0000000372512060

MORE INFO

Norgren Shipping Date 06/10/2023



MORE INFO

Norgren Shipping Date 21/03/2024

Herion Spare Coils

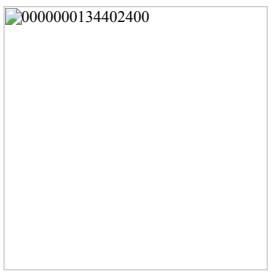
Item: 0000000381702400

MORE INFO

Norgren Shipping Date 05/01/2024

Herion Spare Coils

Item: 0000000134402400



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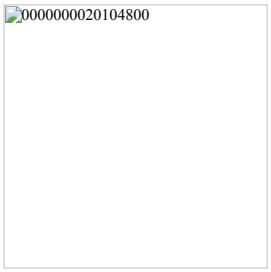
Norgren Shipping Date 05/01/2024



MORE INFO

Norgren Shipping Date 16/02/2024

Buschjost Spare Coil

Item: 0000000.9151.02450

MORE INFO

Buschjost Spare Coil

Item: 0000000.9151.01200

Coil code:	9151

MORE INFO

Norgren Shipping Date 29/08/2023

Buschjost Spare Coil

Item: 0000000.8172.02400

IMI Herion Spare Ex-Solenoid

Item: 0000000460311050

MORE INFO

Norgren Shipping Date 29/03/2024

IMI Herion Spare Ex-Solenoid

Item: 0000000427112050

MORE INFO

Herion Spare Coils

Item: 0000000305323050

MORE INFO

Norgren Shipping Date 01/09/2023

Item: 0000000.9301.23050

MORE INFO

Norgren Shipping Date 27/09/2023

Buschjost Spare Coil

Item: 0000000.9169.02400

MORE INFO

Buschjost Spare Coil

Item: 0000000.9150.02450

MORE INFO

Norgren Shipping Date 27/09/2023

IMI Herion Spare Ex-Solenoid

Item: 0000000487211000

MORE INFO

Norgren Shipping Date 16/02/2024

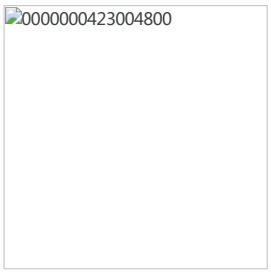
IMI Herion Spare Ex-Solenoid

Item: 0000000427002400-02

MORE INFO

Herion Spare Coils

Item: 0000000423004800



MORE INFO

IMI Herion Spare Solenoid

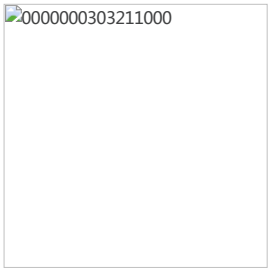
Item: 0000000414003400

MORE INFO

Norgren Shipping Date 26/10/2023

Herion Spare Coils

Item: 0000000303211000



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Herion Spare Coils

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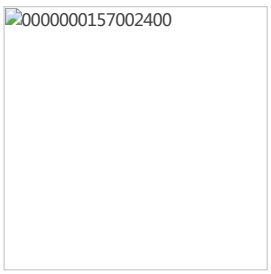


MORE INFO

Norgren Shipping Date 10/11/2023

MORE INFO

Norgren Shipping Date 02/10/2023

Buschjost Spare Coil

Item: 0000000.9101.11000

MORE INFO

Norgren Shipping Date 06/09/2023

Buschjost Spare Coil

Item: 0000000.9101.04800

MORE INFO

Norgren Shipping Date 27/09/2023

Buschjost Spare Coil

Item: 0000000.8402.02400

MORE INFO

Buschjost Spare Coil

Item: 0000000.8170.02400

MORE INFO

Norgren Shipping Date 27/09/2023

Buschjost Spare Coil

Item: 0000000.8004.23049

MORE INFO

Herion Spare Coils

Item: 0000000468311050

MORE INFO

Norgren Shipping Date 05/01/2024

Herion Spare Coils

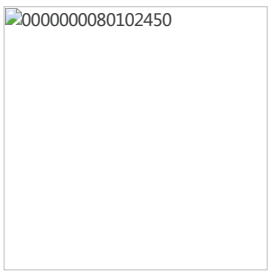
Item: 0000000320723050

MORE INFO

Norgren Shipping Date 18/10/2023

Herion Spare Coils

Item: 0000000080102450



MORE INFO

Norgren Shipping Date 12/09/2023

MORE INFO

Norgren Shipping Date 16/02/2024

Herion Spare Coils

Item: 0000000380502450

MORE INFO

Buschjost Spare Coil

Item: 0000000.9730.02400

MORE INFO

Norgren Shipping Date 12/10/2023

Buschjost Spare Coil

MORE INFO

Norgren Shipping Date 27/09/2023

Buschjost Spare Coil

Item: 0000000.8302.02400

MORE INFO

In Stock

Norgren Shipping Date 19/08/2023

Buschjost Spare Coil

Item: 0000000.8050.02400

Coil code:	8050

MORE INFO

Norgren Shipping Date 27/09/2023

Herion Spare Coils

Item: 0000000722423050

IMI Herion Spare Ex-Solenoid

Item: 0000000467204800

MORE INFO

Norgren Shipping Date 26/02/2024

IMI Herion Spare Ex-Solenoid

Item: 0000000466311050

MORE INFO

Herion Spare Coils

Item: 0000000380623050

MORE INFO

Herion Spare Coils

Item: 0000000070123050

MORE INFO

Herion Spare Coils

Item: 0000000024712060

MORE INFO

Norgren Shipping Date 11/10/2023

Buschjost Spare Coil

Item: 0000000.9101.04850

MORE INFO

Norgren Shipping Date 27/09/2023

Item: V04X286A-Q1226

MORE INFO

Buschjost Spare Coil

Item: 0000000.9406.02449

MORE INFO

Buschjost Spare Coil

Item: 0000000.9404.11049

MORE INFO

Buschjost Spare Coil

Item: 0000000.9404.02449

MORE INFO

Buschjost Spare Coil

Item: 0000000.9356.02449

MORE INFO

Buschjost Spare Coil

Item: 0000000.9350.23049

MORE INFO

Buschjost Spare Coil

Item: 0000000.9241.23049

MORE INFO

MORE INFO

Buschjost Spare Coil

Item: 0000000.9191.11049

MORE INFO

Buschjost Spare Coil

Item: 0000000.9186.23049

MORE INFO

Buschjost Spare Coil

Item: 0000000.9186.02400

MORE INFO

Buschjost Spare Coil

Item: 0000000.9151.24000

MORE INFO

Buschjost Spare Coil

Item: 0000000.9150.04800

MORE INFO

Buschjost Spare Coil

Item: 0000000.9136.23049

MORE INFO

MORE INFO

Buschjost Spare Coil

Item: 0000000.9136.02449

MORE INFO

Buschjost Spare Coil

Item: 0000000.9136.02400

MORE INFO

Buschjost Spare Coil

Item: 0000000.9100.22000

MORE INFO

Norgren Shipping Date 05/09/2023

Buschjost Spare Coil

Item: 0000000.8900.02400

MORE INFO

Buschjost Spare Coil

Item: 0000000.8456.23049

Coil code:	8456

MORE INFO

Buschjost Spare Coil

Item: 0000000.8441.23049

MORE INFO

Item: 0000000.8441.02400

Buschjost Spare Coil

Item: 0000000.8436.23049

MORE INFO

Buschjost Spare Coil

Item: 0000000.8407.02400

MORE INFO

Buschjost Spare Coil

Item: 0000000.8406.11049

MORE INFO

Buschjost Spare Coil

MORE INFO

Buschjost Spare Coil

Item: 0000000.8400.02400

MORE INFO

Buschjost Spare Coil

Item: 0000000.8341.02400

MORE INFO

Buschjost Spare Coil

Item: 0000000.8306.23049

MORE INFO

Buschjost Spare Coil

Item: 0000000.8186.02400

MORE INFO

Buschjost Spare Coil

Item: 0000000.8171.11050

MORE INFO

Norgren Shipping Date 05/09/2023

Buschjost Spare Coil

Item: 0000000.8066.02400

MORE INFO

Item: 0000000.8011.23050

MORE INFO

Buschjost Spare Coil

Item: 0000000.8004.02449

MORE INFO

Buschjost Spare Coil

Item: 0000000.8001.04850

MORE INFO

Buschjost Spare Coil

Item: 0000000.8001.01200

MORE INFO

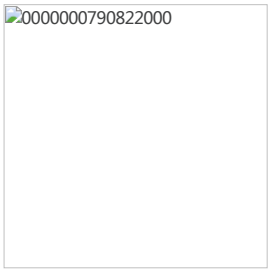
Herion Spare Coils

Item: 0000000800023050

MORE INFO

Herion Spare Coils

Item: 0000000790822000



MORE INFO

IMI Herion Spare Ex-Solenoid

MORE INFO

Herion Spare Coils

Item: 0000000468004800

MORE INFO

Norgren Shipping Date 29/03/2024

IMI Herion Spare Ex-Solenoid

Item: 0000000467202400-02

MORE INFO

IMI Herion Spare Ex-Solenoid

MORE INFO

IMI Herion Spare Ex-Solenoid

Item: 0000000467102450

MORE INFO

IMI Herion Spare Ex-Solenoid

Item: 0000000467002400-04

MORE INFO

IMI Herion Spare Ex-Solenoid

MORE INFO

IMI Herion Spare Ex-Solenoid

Item: 0000000466104850

MORE INFO

IMI Herion Spare Ex-Solenoid

Item: 0000000466011000-03

MORE INFO

Herion Spare Coils

MORE INFO

IMI Herion Spare Ex-Solenoid

Item: 0000000460123050-04

MORE INFO

IMI Herion Spare Ex-Solenoid

Item: 0000000460012000

Coil code:	0000000460012000
Series:	Herion Solenoid Coils
Operating temperature:	-40 ... 80 °C

IMI Herion Spare Ex-Solenoid

Item: 0000000460004800

MORE INFO

Norgren Shipping Date 29/03/2024

IMI Herion Spare Ex-Solenoid

Item: 0000000460002400-04

MORE INFO

IMI Herion Spare Ex-Solenoid

Item: 0000000426112050

MORE INFO

MORE INFO

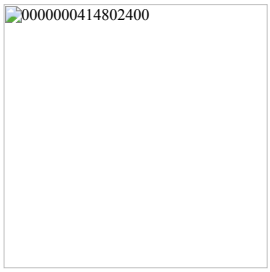
IMI Herion Spare Ex-Solenoid

Item: 0000000420002400-04

MORE INFO

Herion Spare Coils

Item: 0000000414802400



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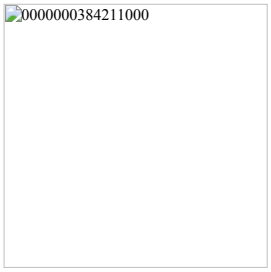
IMI Herion Spare Solenoid

Item: 0000000412323050

MORE INFO

Herion Spare Coils

Item: 0000000384211000



MORE INFO

Herion Spare Coils

Item: 0000000380524050

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IMI Herion Spare Solenoid

MORE INFO

Herion Spare Coils

Item: 0000000380324050

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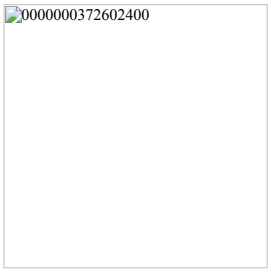
Herion Spare Coils

Item: 0000000372602400



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Herion Spare Coils

MORE INFO

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Herion Spare Coils

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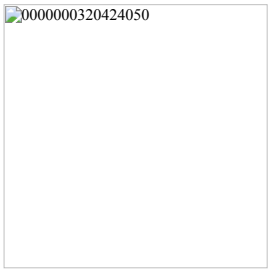


MORE INFO

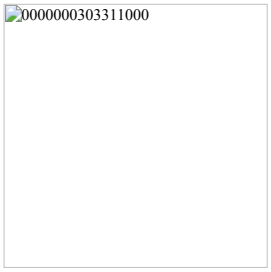
Herion Spare Coils

MORE INFO

Norgren Shipping Date 01/09/2023

Herion Spare Coils

Item: 0000000303311000



MORE INFO

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Herion Spare Coils

Item: 0000000303302450

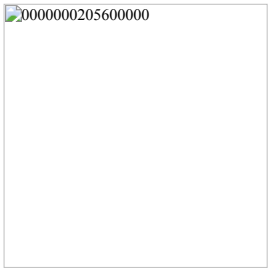
MORE INFO

Norgren Shipping Date 01/09/2023

MORE INFO

IMI Herion Spare Ex-Solenoid

Item: 0000000205600000



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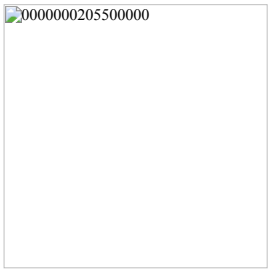


MORE INFO

Herion Spare Coils

MORE INFO

Herion Spare Coils

Item: 0000000024104850

Coil code:	0241
Series:	Herion Solenoid Coils

MORE INFO

Panel Mounting Nut

Item: VHLA-200N

MORE INFO

In Stock

Norgren Shipping Date 19/08/2023

Panel Mounting Nut

Item: VHLA-400N

MORE INFO

In Stock

Norgren Shipping Date 19/08/2023

Panel Mounting Nut

Item: VHLA-300N

Porous plastic silencers

Item: T45P0012

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Porous plastic silencers

Item: T45P0006

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Exhaust Flow Regulator/Silencers

Item: T20C2800

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Exhaust Flow Regulator/Silencers

Item: T20C1800

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Porous plastic silencers

Item: M/S2

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Porous plastic silencers

Item: M/S0

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Porous plastic silencers

Item: T45P0008

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Exhaust Flow Regulator/Silencers

Item: T20M0500

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Sintered Bronze Silencers

Item: T40C2800

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Exhaust Filters

Item: M/1512

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Sintered Bronze Silencers

Item: T40B1800

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Quietaire Heavy Duty Silencers

Item: MB004B

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Exhaust Flow Regulator/Silencers

Item: T20C4800

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Silencer

Item: 0014610000000000

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Sintered Bronze Silencers

Item: T40C3800

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

IMI Herion Silencer

Item: 0014500000000000

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Quietaire Heavy Duty Silencers

Item: MB002B

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Exhaust Filters

Item: M/1511

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Sintered Bronze Silencers

Item: T40C1800

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Sintered Bronze Silencers

Item: T40M0500

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Sintered Bronze Silencers

Item: T40C8800

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Herion Silencer

Item: 0014510000000000

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Porous plastic silencers

Item: M/S8

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Quietaire Heavy Duty Silencers

Item: MBP06B

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Exhaust Flow Regulator/Silencers

Item: T20C3800

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Sintered Bronze Silencers

Item: T40B6800

MORE INFO

In Stock
Norgren Shipping Date 19/08/2023

Sintered Bronze Silencers

Item: T40B4800

M/1500
Exhaust filter

- **Port size: G1/8 ... G1**
- **Prevent the ingress of dirt with minimal flow restriction**
- **Robust and compact**
- **Screw directly into the exhaust port**

Technical features

Medium:
Compressed air, filtered, lubricated or non-lubricated, inert gases
Operation:
Exhaust filter

Operating pressure:
10 bar (145 psi) max.
Port size:
G1/8, G1/4, G1/2, G3/4, G1
Mounting:
Directly in the exhaust port

Ambient/Media temperature:
-20°C ... +80°C (-4 ... +176°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Materials:
Body: aluminium alloy
Element: sintered bronze

Technical data

Symbol	Port size	Flow factor C *1)	Cv	Kv *2)	Weight (kg)	Model
	G 1/8	2	0,49	0,426	0,006	M/1511
	G 1/4	5,6	1,37	1,19	0,018	M/1512
	G 1/2	11,2	2,75	2,39	0,030	M/1514
	G 3/4	20,6	5,05	4,39	0,050	M/1516
	G 1	26,4	6,47	5,62	0,091	M/1518

*1) Measured in $m^3/(s.\ bar)$
*2)Measured in m^3/h

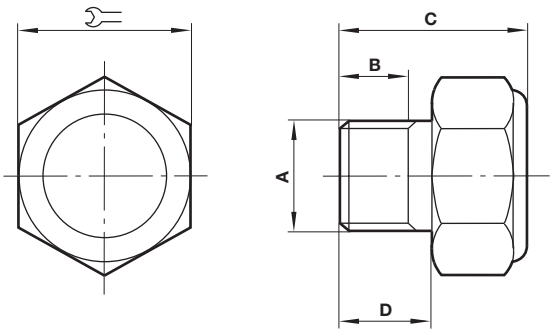
Option selector

M/151★

Port size	Substitute
1/8"	**1**
1/4"	**2**
1/2"	**4**
3/4"	**6**
1"	**8**

Dimensions

Dimensions in mm
Projection/First angle



A	B	C	D	⌓	Model
G 1/8	6	16	8	15	M/1511
G 1/4	8	22	10	23,5	M/1512
G 1/2	10,5	25	13	30,5	M/1514
G 3/4	14	31	16	42,5	M/1516
G 1	15	35	19	47	M/1518

Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under **»Technical features/ data«**.
Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult Norgren.
Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

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NORGREN

MA & MB series
Heavy duty silencers

- **Port size: R1/8 ... R2, Rc1/8 ... Rc1, Rp11/4 ... Rp2**
- **Reduce the noise levels of pneumatic equipment**
- **High flow capacity with low back pressure**
- **Brass mesh screen and aluminium construction**
- **Provide improved flow, longer life and cleanable element**

Technical features

Medium:
Compressed air, filtered, lubricated and non-lubricated, inert gases
Operation:
Heavy duty silencer
Operating pressure:
20 bar (290 psi) maximum

Port size:
1/8", 1/4", 3/8", 1/2", 3/4", 1, 1 1/4", 1 1/2"
Mounting:
Directly in exhaust port

Ambient/Media temperature:
-40 ... +80°C (-40 ... +176°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Materials:
Body: aluminium and shell,
Filter element: brass mesh

Technical data

Male thread, standard models

Symbol	Port size	Flow factor Cv	C *1)	Kv *2)	Weight (kg)	Model
	R1/8	2	8,2	1,75	0,03	MB001B
	R1/4	2,2	9	1,92	0,03	MB002B
	R3/8	2,94	12	2,56	0,03	MBP03B
	R3/8	4,78	19,5	4,16	0,10	MB003B
	R1/2	5,49	22,4	4,78	0,09	MB004B
	R3/4	5,49	22,4	4,78	0,09	MBP06B
	R3/4	12,5	51	10,78	0,45	MB006B
	R1	15,68	64	13,65	0,40	MB008B
	R1 1/4	16,67	68	14,5	0,40	MBP10B

*1) Measured in $dm^3/(s.bar)$
*2) Measured in m^3/h

Female thread, standard models

Symbol	Port size	Flow factor Cv	C *1)	Kv *2)	Weight (kg)	Model ISO Rc
	Rc1/8	2	8,2	1,75	0,03	MA001B
	Rc1/4	2,57	10,5	1,29	0,03	MA002B
	Rc3/8	5,83	23,8	5,07	0,10	MA003B
	Rc1/2	5,71	23,3	4,97	0,09	MA004B
	Rc3/4	16,18	66	14,07	0,45	MA006B
	Rc1	16,67	68	14,5	0,40	MA008B

Symbol	Port size	Flow factor Cv	C *1)	Kv *2)	Weight (kg)	Model
	Rp1 1/4	26,7	110	23,45	0,62	MA010C
	Rp1 1/2	40,93	167	35,6	0,60	MA012C
	Rp2	53,9	220	46,9	0,76	MA016C

Option selector

Male thread

MB★★★★

Port size	Substitute
1/8"	**001**
1/4"	**002**
3/8"	**P03***
3/8"	**003**
1/2"	**004**
3/4"	**P06***
3/4"	**006**
1"	**008**
1 1/4"	**P10***
Thread form	**Substitute**
PTF (SAE short, ANSI B1.2.0.3)	**A**
ISO R, taper	**B**

Female thread

MA★★★★

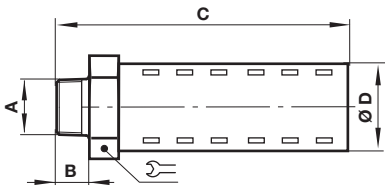
Port size	Substitute
1/8"	**001**
1/4"	**002**
3/8"	**003**
1/2"	**004**
3/4"	**006**
1"	**008**
1 1/4 "	**010**
1 1/2"	**012**
Thread form	**Substitute**
PTF (SAE short, ANSI B1.2.0.3)	**A**
ISO Rc, taper	**B**
ISO Rp, parallel	**C**

* Compact size

Dimensions

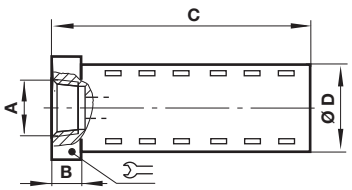
Dimensions in mm
Projection/First angle

Male thread



A	B	C	D		Model
R1/8	9	51	21	21	MB001
R1/4	13	55	21	21	MB002
R3/8	13	55	21	21	MBP03
R3/8	13	88	32	32	MB003
R1/2	17	92	32	32	MB004
R3/4	17	92	32	32	MBP06
R3/4	20	134	51	51	MB006
R1	23	138	51	51	MB008
R1 1/4	26	140	51	51	MBP10

Female thread



A	B	C	Ø D		Model
Rc1/8	6	42	21	21	MA001
Rc1/4	9	45	21	21	MA002
Rc3/8	9	78	32	32	MA003
Rc1/2	12	83	32	32	MA004
Rc3/4	12	118	51	51	MA006
Rc1	15	118	51	51	MA008
Rp1 1/4	15	144	64	64	MA010
Rp1 1/2	15	144	64	64	MA012
Rp2	16	168	76	76	MA016

Warning

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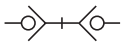
- **Normal size: Ø 5 mm**
- **Single handed operation**
- **Compact robust construction**
- **High flow, low pressure drop**
- **Wide range of connections**



Technical features

Medium:
Compressed air and liquid fluids
Operation:
Double shut off:
After disconnection the flow stops in both coupling and plug.
The medium is retained in both connection lines and pressure is not released

Operating pressure:
0 ... 35 bar (0 ... 507 psi)
Water flow (kv factor):
0,23

Ambient/Media temperature:
-20° ... +100°C (-4° ... +212 °F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35 °F).

Materials:
Coupling:
Body and sleeve: nickel plated brass
Valve: brass
Spring and locking ring/balls: Stainless steel
Seals: NBR
Plug:
Body: nickel plated brass

Option selector

233★★★★★★

Style	Substitute
Plug	3
Coupling	4
Shape	**Substitute**
External thread (ISO G)	1
Internal thread (ISO G)	2
Hose barb	3
Hose barb panel mount	7

Thread size	Substitute
1/4	0028
Tube - inside diameter	**Substitute**
6	0600

Couplings and plugs

Coupling – male thread
Thread: ISO G

Page 2

Coupling – female thread
Thread: ISO G

Page 2

Coupling – hose barb

Page 2

Coupling – hose barb panel mount

Page 2

Plug – male thread
Thread: ISO G

Page 2

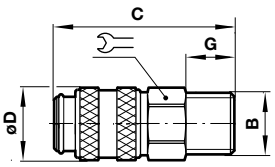
Plug – female thread
Thread: ISO G

Page 2

Plug – hose barb

Page 2

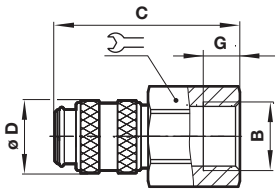
Coupling – male thread
Thread: ISO G



Normal size	B	C	Ø D	G		Model
Ø 5	G1/4	38	16,5	9	17	233410028

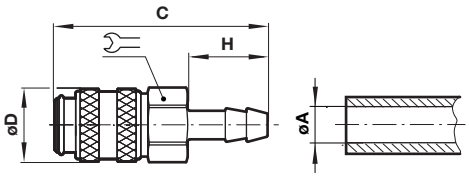
Coupling – female thread
Thread: ISO G

Dimensions in mm
Projection/First angle



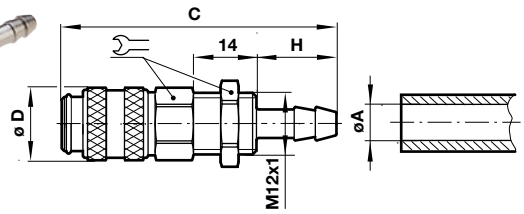
Normal size	B	C	Ø D	G		Typ
Ø 5	G1/4	38	16,5	9	17	233420028

Coupling – hose barb



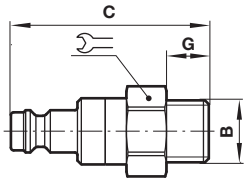
Normal size	Tube Ø A	C	Ø D	H		Model
Ø 5	6	46	16,5	17	14	233430600

Coupling – hose barb



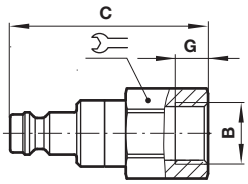
Normal size	Tube Ø A	C	Ø D	H		Model
Ø 5	6	60	16,5	17	17	233430600

Plug – male thread
Thread: ISO G



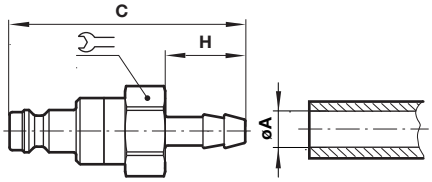
Normal size	B	C	G		Model
Ø 5	G1/4	42	9	17	233310028

Plug – female thread
Thread: ISO G



Normal size	B	C	G		Model
Ø 5	G1/4	42	7	17	233320028

Plug – hose barb



Normal size	Tube ØA	C	H		Model
Ø 5	6	50	17	14	233330600

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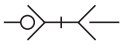
238 series
Single shut off quick release couplings

- **Normal size: Ø 7,2 mm**
- **Single handed operation**
- **High flow, low pressure drop**

- **European Standard Industrial profile Interchangeable with: Rectus 35 & 26 series Cejn 320 JWL 520 & 530**



Technical features

Medium:
Compressed air and liquid fluids
Operation:
Single shut off:
The plug designed straight through, coupling shuts off immediately when connection is broken.
The ideal solution for operating compressed air tools.

Operating pressure:
0 ... 35 bar (0 ... 507 psi)
Water flow (kv factor):
1,2

Ambient/Media temperature:
-20°C ... +100°C (-4 ... +212 °F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35 °F).

Materials:
Coupling:
Body and sleeve: nickel plated brass
Valve: brass
Spring and locking ring/balls: Stainless steel
Seals: NBR
Plug:
Body: nickel plated brass

Option selector

238★★★★★★

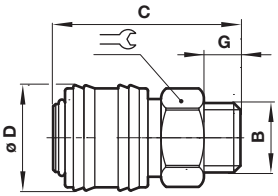
Style	Substitute
Plug	**1**
Coupling	**2**
Shape	**Substitute**
External thread (ISO G)	**1**
Internal thread (ISO G)	**2**
Hose barb	**3**

Thread size	Substitute
1/8	**0018**
1/4	**0028**
3/8	**0038**
1/2	**0048**
Tube - inside diameter	**Substitute**
6	**0600**
9	**0900**
13	**1300**

Couplings and plugs

Coupling – male thread Thread: ISO G	Coupling – female thread Thread: ISO G	Coupling – hose barb	Plug – male thread Thread: ISO G	Plug – female thread Thread: ISO G	Plug – hose barb
					
Page 2	**Page 2**	**Page 2**	**Page 2**	**Page 2**	**Page 2**

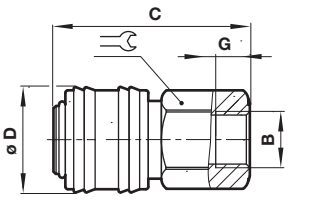
Coupling – male thread
Thread: ISO G



Normal size	B	C	Ø D	G		Model
Ø 7,2	G1/4	39	25	9	22	238210028
Ø 7,2	G3/8	41	25	9	22	238210038
Ø 7,2	G1/2	44	25	12	22	238210048

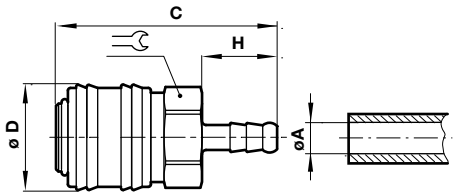
Coupling – female thread
Thread: ISO G

Dimensions in mm
Projection/First angle



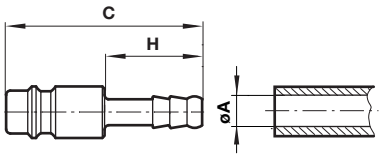
Normal size	B	C	Ø D	G		Typ
Ø 7,2	G1/4	41	25	9	22	238220028
Ø 7,2	G3/8	41	25	9	22	238220038
Ø 7,2	G1/2	44	25	10	24	238220048

Coupling – hose barb



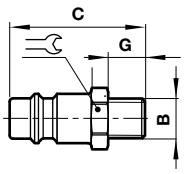
Normal size	Tube Ø A	C	Ø D	H		Model
Ø 7,2	6	58	25	25	21	238230600
Ø 7,2	9	58	25	25	21	238230900
Ø 7,2	13	58	25	25	21	238231300

Plug – hose barb



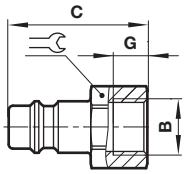
Normal size	Tube Ø A	C	H	Model
Ø 7,2	6	48	25	238130600
Ø 7,2	9	48	25	238130900
Ø 7,2	13	48	25	238131300

Plug – male thread
Thread: metric, ISO G



Normal size	B	C	G		Model
Ø 7,2	G1/8	31	7	14	238110018
Ø 7,2	G1/4	33	9	17	238110028
Ø 7,2	G3/8	33	9	19	238110038
Ø 7,2	G1/2	38	12	24	238110048

Plug – female thread
Thread: ISO G



Normal size	B	C	G		Model
Ø 7,2	G1/4	33	10	17	238120028
Ø 7,2	G3/8	33	10	19	238120038
Ø 7,2	G1/2	35	12	24	238120048

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- **Port size: G1/8 ... G1/2**
- **Reduce the noise levels of pneumatic equipment**
- **Compact, efficient and lightweight**
- **Screw directly into the exhaust port**
- **Prevent the ingress of dirt**

Technical features

Medium:
Compressed air, filtered 50 µm, lubricated and non lubricated
Operation:
Exhaust silencer

Operating pressure:
10 bar (145 psi) maximum
Port sizes:
G1/8, G1/4, G3/8 or G1/2
Mounting:
Directly in exhaust port

Ambient/Media temperature:
-20 ... +60°C (-4 ... +140°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Materials:
Body: PA
Filter: Felt insert

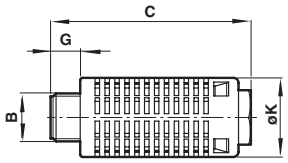
Technical data

Symbol	Port size	Sound pressure level *1) dBA (A)	Model
	G 1/8	66/ 85	0014500
	G 1/4	68/ 91	0014600
	G 3/8	70/ 95	0014700
	G 1/2	66/88	0014800

*1) Measured in dBA/1,5 bar at 1 meter from unit

Dimensions

Dimensions in mm
Projection/First angle



B	C	G	ø D	Model
G1/8	41	6	16	0014500
G1/4	51	8	21	0014600
G3/8	60	8	25	0014700
G1/2	72	10	30	0014800

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IMI Precision Engineering, Norgren GmbH.

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- **Normal size: Ø 2,7 ... 11 mm**
- **Single handed operation**
- **Compact robust construction**
- **High flow, low pressure drop**
- **Wide range of connections**

Technical features

Medium:
Compressed air and liquid fluids
Operation:
Single shut off:
The plug designed straight through, coupling shuts off immediately when connection is broken.
The ideal solution for operating compressed air tools.
Operating pressure:
0 ... 35 bar (0 ... 507 psi)

Water flow (kv factor):
1,15 - 231 series, ø 8,5 mm
0,21 - 232 series, ø 2,7 mm
0,60 - 233 series, ø 5 mm
2,40 - 234 series, ø 7,8 mm
2,70 - 235 series, ø 10 mm
1,20 - 237 series, ø 5,5 mm
2,80 - 239 series, ø 11 mm

Ambient/Media temperature:
-20°C ... +100°C (-4 ... +212 °F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35 °F).
Compatibility:
The same nomaly size only.

Materials:
Coupling:
Body and sleeve: nickel plated brass (234 series nickel plated steel)
Valve: brass
Spring and locking ring/balls: Stainless steel
Seals: NBR
Plug:
Body: nickel plated brass (231, 232, 233, 234, 237 and 239 series nickel plated steel)

Option selector

23★★★★★★★

Normal size	Substitute
Ø 8,5	1
Ø 2,7	2
Ø 5	3
Ø 7,8	4
Ø 10	5
Ø 5,5	7
Ø 11	9

Style	Substitute
Plug	1
Coupling	2

Shape	Substitute
External thread (metric)	A
External thread (ISO G & R)	1
Internal thread (metric)	D
Internal thread (ISO G & R)	2
Hose barb	3
Push On (233 series only)	6
Push On fitting panel mounted (233 series only)	8
Push On fitting with spring guard (233 series only)	9

Thread size	Substitute
M5	0005
1/8	0018
1/4	0028
3/8	0038
1/2	0048
3/4	0068

Tube - inside diameter	Substitute
3	0300
4	0400
6	0600
9	0900
13	1300

Couplings and plugs

Coupling – male thread
Thread: metric, ISO G or ISO R

Page 2

Coupling – female thread
Thread: metric or ISO G

Page 2

Coupling – hose barb

Page 3

Coupling – push-on fitting

Page 2

Coupling – push-on fitting panel mounted

Page 2

Coupling – push-on fitting with spring guard

Page 3

Plug – male thread
Thread: metric, ISO G or ISO R

Page 3

Plug – female thread
Thread: metric or ISO G

Page 3

Plug – hose barb

Page 4

Plug – push-on fitting

Page 4

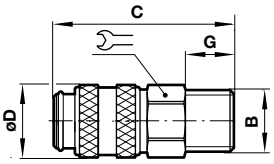
Plug – push-on fitting with spring guard

Page 4

Dimensions in mm
Projection/First angle

Coupling – male thread

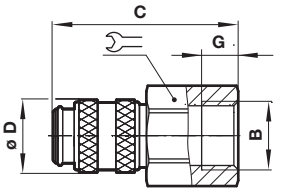
Thread: metric, ISO G or ISO R



Normal size	B	C	Ø D	G	⌲	Model
Ø 2,7	M5	26	10	5	9	2322A0005
Ø 2,7	G1/8	28	10	7	11	232210018
Ø 5	G1/8	36	16,5	7	14	233210018
Ø 5	G1/4	38	16,5	9	17	233210028
Ø 5,5	R1/4	59	23	12	19	237210028
Ø 5,5	R3/8	59	23	12	19	237210038
Ø 5,5	R1/2	60	23	17	22	237210048
Ø 7,8	R1/4	60	23	12	19	234210028
Ø 7,8	R3/8	60	23	12	19	234210038
Ø 7,8	R1/2	61	23	17	22	234210048
Ø 8,5	G3/8	49	30	9	22	231210038
Ø 8,5	G1/2	52	30	12	22	231210048
Ø 10	R1/4	63	27	12	24	235210028
Ø 10	R3/8	63	27	12	24	235210038
Ø 10	R1/2	65	27	17	24	235210048
Ø 11	G1/2	79	35	17	30	239210048
Ø 11	G3/4	81	35	19	30	239210068

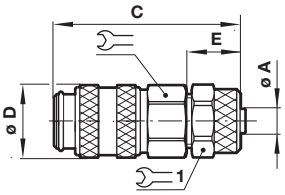
Coupling – female thread

Thread: metric or ISO G



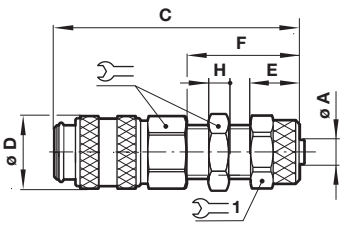
Normal size	B	C	Ø D	G	⌲	Typ
Ø 2,7	M5	26	10	5	9	2322D0005
Ø 2,7	G1/8	28	10	7	12	232220018
Ø 5	G1/8	36	16,5	9	14	233220018
Ø 5	G1/4	38	16,5	9	17	233220028
Ø 5,5	G1/4	55	23	10	19	237220028
Ø 5,5	G3/8	54	23	9	19	237220038
Ø 5,5	G1/2	57	23	12	24	237220048
Ø 7,8	G1/4	56	23	10	19	234220028
Ø 7,8	G3/8	55	23	9	19	234220038
Ø 7,8	G1/2	58	23	12	24	234220048
Ø 8,5	G3/8	49	30	9	22	231220038
Ø 8,5	G1/2	52	30	12	24	231220048
Ø 10	G1/4	56	27	10	24	235220028
Ø 10	G3/8	56	27	11	24	235220038
Ø 10	G1/2	56	27	12	24	235220048
Ø 11	G1/2	83	35	23	30	239220048
Ø 11	G3/4	84	35	24	32	239220068

Coupling – push-on fitting



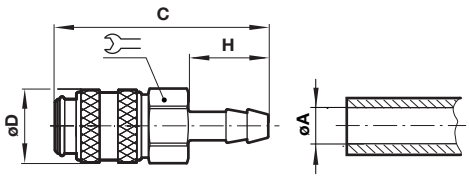
Normal size	Tube OD/ID	C	Ø D	E	⌲	⌲1	Model
Ø 5	Ø 6/4	42	16,5	11	14	12	233260400
Ø 5	Ø 8/6	42	16,5	11	14	14	233260600

Coupling – push-on fitting panel mounted



Normal size	Tube OD/ID	C	Ø D	E	F	H	⌲	⌲1	Model
Ø 5	Ø 6/4	54	16,5	11	25	4	14	12	233280400
Ø 5	Ø 8/6	54	16,5	11	25	4	17	14	233280600

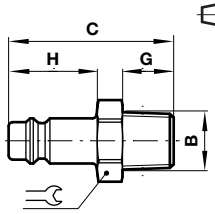
Coupling – hose barb



Normal size	Tube Ø A	C	Ø D	H		Model
Ø 2,7	3	35	10	13	-	232230300
Ø 2,7	4	35	10	13	-	232230400
Ø 5	4	46	16,5	17	14	233230400
Ø 5	6	46	16,5	17	14	233230600
Ø 5	9	46	16,5	17	14	233230900
Ø 5,5	6	73	23	25	19	237230600
Ø 5,5	9	73	23	25	19	237230900
Ø 5,5	13	73	23	25	19	237231300
Ø 7,8	6	74	23	25	19	234230600
Ø 7,8	9	74	23	25	19	234230900
Ø 7,8	13	74	23	25	19	234231300
Ø 8,5	9	66	30	25	21	231230900
Ø 10	9	76	27	25	24	235230900
Ø 10	13	76	27	25	24	235231300
Ø 11	13	86	35	25	30	239231300
Ø 11	19	86	35	25	30	239231900

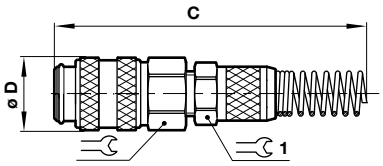
Plug – male thread
Thread: metric, ISO G or ISO R

Dimensions in mm
Projection/First angle



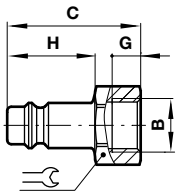
Normal size	B	C	G	H		Model
Ø 2,7	M5	18	5		7	2321A0005
Ø 2,7	G1/8	20	7		11	232110018
Ø 5	G1/8	25	7		14	233110018
Ø 5	G1/4	27,5	9		17	233110028
Ø 5,5	R1/4	40	12		17	237110028
Ø 5,5	R3/8	40	12		17	237110038
Ø 5,5	R1/2	45	17		22	237110048
Ø 7,8	R1/8	33	9		13	234110018
Ø 7,8	R1/4	37	12		14	234110028
Ø 7,8	R3/8	37	12		17	234110038
Ø 7,8	R1/2	43	17		22	234110048
Ø 8,5	G3/8	42	9		19	231110038
Ø 8,5	G1/2	46	12		24	231110048
Ø 10	R1/4	40	12		17	235110028
Ø 10	R3/8	40	12		17	235110038
Ø 10	R1/2	45	17		22	235110048
Ø 11	G1/2	59	17		22	239110048
Ø 11	G3/4	62	19		27	239110068

Coupling – push-on fitting with spring guard



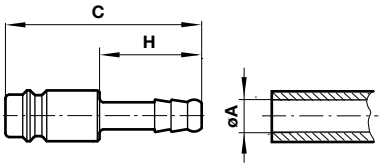
Normal size	Tube OD/ID	C	Ø D		1	Model
Ø 5	Ø 6/4	125	16,5	14	12	233290400
Ø 5	Ø 8/6	132	16,5	17	14	233290600

Plug – female thread
Thread: metric or ISO G



Normal size	B	C	G	H		Model
Ø 2,7	M5	17	5		7	2321D0005
Ø 2,7	G1/8	19	7		12	232120018
Ø 5	G1/8	24,5	8		14	233120018
Ø 5	G1/4	25	9		17	233120028
Ø 5,5	G1/4	36	9		17	237120028
Ø 5,5	G3/8	36	9		19	237120038
Ø 5,5	G1/2	39	12		24	237120048
Ø 7,8	G1/4	33	9		17	234120028
Ø 7,8	G3/8	33	9		19	234120038
Ø 7,8	G1/2	36	12		24	234120048
Ø 8,5	G3/8	42	10		19	231120038
Ø 8,5	G1/2	43	12		24	231120048
Ø 10	G1/4	33	9		17	235120028
Ø 10	G3/8	33	9		19	235120038
Ø 10	G1/2	37	12		24	235120048
Ø 11	G1/2	61	23		24	239120048
Ø 11	G3/4	62	24		32	239120068

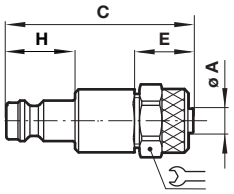
Plug – hose barb



Normal size	Tube Ø A	C	H	Model
Ø 2,7	3	24	13	232130300
Ø 2,7	4	24	13	232130400
Ø 5	4	32	17	233130400
Ø 5	6	32	17	233130600
Ø 5	9	33	17	233130900
Ø 5,5	6	51	25	237130600
Ø 5,5	9	51	25	237130900
Ø 5,5	13	51	25	237131300
Ø 7,8	6	48	25	234130600
Ø 7,8	9	48	25	234130900
Ø 7,8	13	48	25	234131300
Ø 8,5	9	55	25	231130900
Ø 8,5	13	55	25	231131300
Ø 10	9	48	25	235130900
Ø 10	13	48	25	235131300
Ø 11	13	62	25	239131300
Ø 11	19	72	35	239131900

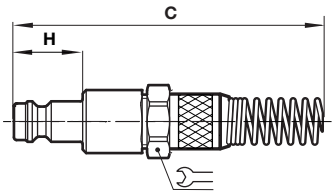
Plug – push-on fitting

Dimensions in mm
Projection/First angle



Normal size	Tube OD/ID	C	E	H	⌲	Model
Ø 5	Ø 6/4	31,5	11		12	233160400
Ø 5	Ø 8/6	31,5	11		14	233160600

Plug – push-on fitting with spring guard



Normal size	Tube OD/ID	C	H	⌲	Model
Ø 5	Ø 6/4	113		12	233190400
Ø 5	Ø 8/6	123		14	233190600

Warning

These products are intended for use in industrial compressed air and fluid systems only. Do not use these products where pressures and temperatures can exceed those listed under **»Technical features/data«**. Before using these products with fluids other than those specified, for non-industrial applications, life-support systems, or other applications not within published specifications, consult IMI NORGREN.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.
The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.
System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.
System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.

- **Port size: 1/4” ... 3/4” (ISO G/PTF)**
- **Easily replaceable cartridge element**
- **Removal of oil mist from exhaust air provides cleaner work environment**
- **Snap-on liquid sump with manual drain to collect coalesced oil**
- **Assists in complying with Noise and COSHH regulations**
- **Rugged, corrosion resistant construction**

Technical features

Medium:
Compressed air only
Operating pressure:
0 ... 6 bar (0 ... 87 psi)
Residual oil:
< 0,1 mg/m^3 (1 bar 20°C)

Noise reduction:
As low as 69 dBa (dependant on application)
Port sizes:
1/4”, 3/8”, 1/2” or 3/4”

Ambient temperature:
–20° ... +50°C (0° ... 122°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Materials:
Body and Yoke: Zinc alloy
Cage: Aluminium
Element: Composite materials
Bowl: PE
Elastomers: NBR

Technical data, standard models

Symbol	Port size	Replacement element	Weight (kg)	Model
	G1/4	3236-01	1,35	CS13-264-10GG
	G3/8	3236-01	1,33	CS13-364-10GG
	G1/2	3236-01	1,30	CS13-464-10GG
	G3/4	3236-01	1,66	CS13-664-10GG
	Without yoke	3236-01	0,89	CS13-000-0000

Option selector

CS13-★64-★0★★

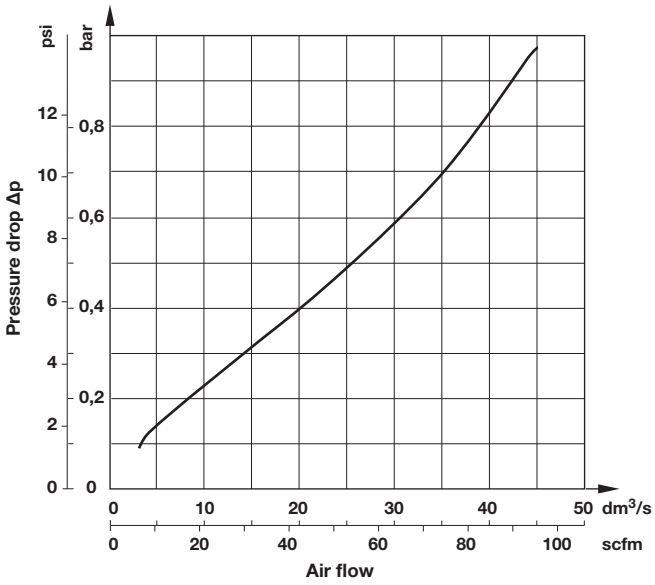
Port size	Substitute
1/4	2
3/8	3
1/2	4
3/4	6

Yoke	Substitute
With	1
Without	0

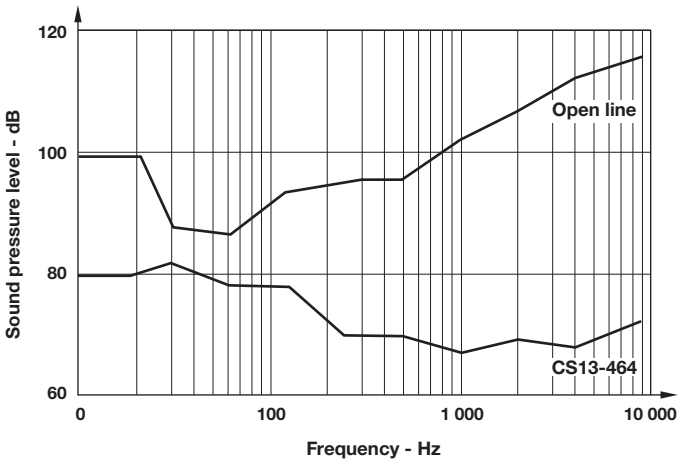
Thread form	Substitute
PTF	AA
ISO G parallel	GG

Typical performance characteristics

Flow characteristics
Model: CS13-464



Silencer compared with open line



Accessories

Thread	Models with G-thread Single yoke	Double yoke	End connector kit	Rear entry bracket kit
				
G1/4	Y64A-2GA-N1N	Y64A-2GA-N2N	—	—
G3/8	Y64A-3GA-N1N	Y64A-3GA-N2N	—	—
G1/2	Y64A-4GA-N1N	Y64A-4GA-N2N	74505-50	—
G3/4	Y64A-6GA-N1N*	Y64A-6GA-N2N*	74505-53	18-026-981

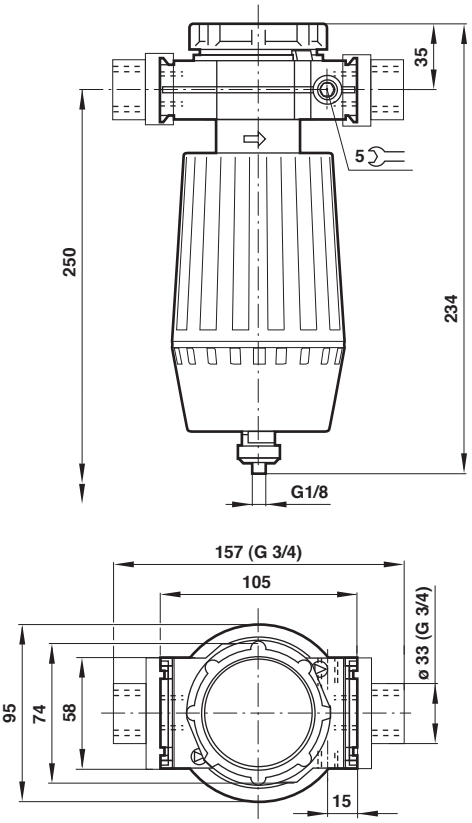
*These yokes are supplied with two end connenctor kits as standard.

Bracket mounting	Nut	Yoke connector kit
		
74504-50	74502-89	74503-51

Service kit

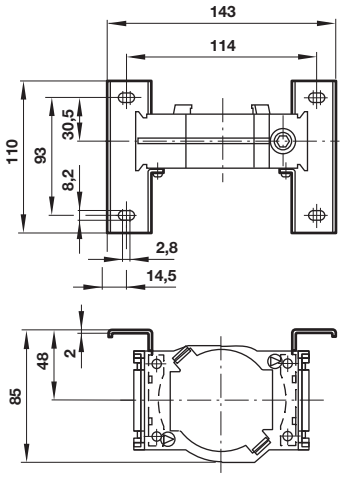
Service kit
CS13RK

Basic dimensions

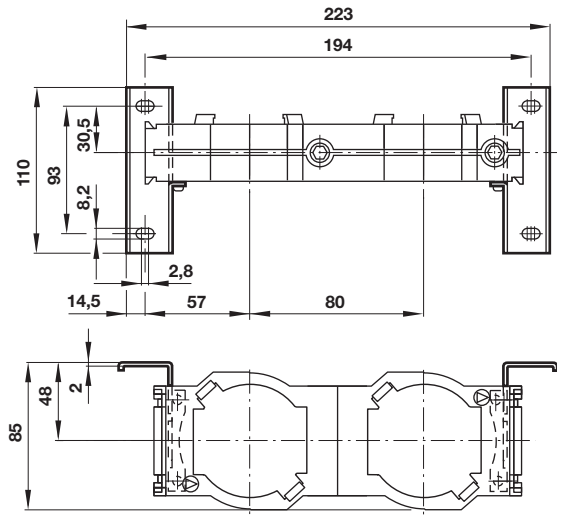


Single yoke with bracket mounting

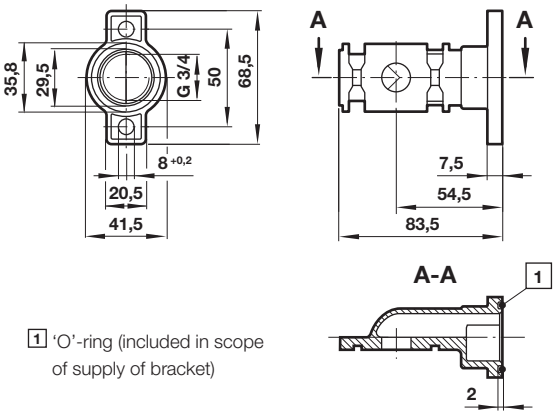
Dimensions in mm
Projection/First angle



Double yoke with bracket mounting



Rear entry bracket
18-026-981



1 'O'-ring (included in scope of supply of bracket)

Warning

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Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult IMI Precision Engineering, IMI International s.r.o.
Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.
System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.
System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.

HT84T - 3/2 shut-off valve
For Extreme Temperature applications
Excelon® Plus Modular System

- **Port size: 3/8" ... 3/4" (ISO G/PTF)**
- **Excelon® Plus design allows in-line installation or modular installation with other Excelon® Plus products**
- **3/2 way function**
- **Threaded exhaust port**
- **Lockable in closed position with padlock**
- **Salt Spray compliant to ISO 9227**
- **ABS cover with High impact properties**

+80°C (+176°F)

-20°C (-4°F)

Technical features

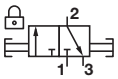
Medium:
Compressed air only
Maximum supply pressure:
20 bar (290 psi)
Port size:
G3/8, G1/2, G3/4,
3/8 PTF, 1/2 PTF, 3/4 PTF

Flow:
From IN to OUT ports:
1/2": 162 dm^3/s at 6,3 bar and Δp 0,5 bar pressure drop,
1,8 dm^3/s from OUT to exhaust port.
Atex:
Shut-off valves HT84 are in conformity with Atex 2014/34/EU
II 2 GD
Ex h IIC T6 Gb
EX h IIIC T85°C Db

Ambient/Media temperature:
-20°... +80°C (-4° ...+176°F) Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Materials:
Body: Die cast aluminium
Body covers: ABS (Magnum 3904)
Elastomers: NBR

Technical data HT84T - standard models

Symbol	Port size	Function	Valve type	Exhaust port forms	Weight (kg)	Model
	G3/8	3/2	Ball valve	Exhaust port threaded G1/4	0,48	HT84T-3GA-B1N
	G1/2	3/2	Ball valve	Exhaust port threaded G1/4	0,48	HT84T-4GA-B1N
	G3/4	3/2	Ball valve	Exhaust port threaded G1/4	0,48	HT84T-6GA-B1N

Option selector

HT84T-★★A-B1N

Function	Substitute
3/2	T

Thread form	Substitute
PTF	A
ISO G parallel (standard)	G
Port size	**Substitute**
3/8"	3
1/2"	4
3/4"	6

Accessories

Wall mounting bracket

Page 6

840024-50KIT

Quikclamp®

Page 6

H840014-51KIT

Quikclamp® with bracket assembled

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H840014-52KIT

Port Adaptors

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3/8 PTF	H840015-02KIT
1/2 PTF	H840015-03KIT
3/4 PTF	H840015-04KIT
G3/8	H840015-10KIT
G1/2	H840015-11KIT
G3/4	H840015-12KIT

Hybrid Quikclamp® *1

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840014-61

Hybrid Quikclamp® with bracket assembled *1

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840014-62

Pressure sensing block 1/4 PTF

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H840016-50KIT

Pressure sensing block G1/4

Page 6

H840016-51KIT

*1) To connect new Excelon Plus to old Excelon 74/73 units. Having the same hole centres as 74 series mounting bracket. A Quikclamp adds 13.6 mm to the overall width of a combination unit

Full flow porting block 3/4" PTF

Page 6

H840028-50KIT

Full flow porting block G3/4

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H840028-53KIT

Full flow porting block 3/4" PTF

Page 6

H840028-68KIT

Full flow porting block G3/4

Page 6

H840028-69KIT

Pressure switch interface block (18D pressure switch) G1/4

Page 8

0337717000000000

Pressure switch 18D (0,5 ... 8bar) *4

Page 8

0881300

Digital pressure switch 51D (-1 ... 10 bar) *2

Page 8

0860810

*2) -20 ... +60°C (-4 ... +140°F)

*4) -10°... +85°C (-14° ...+185°F)

Padlock

Padlock

840055-01KIT

Lockout device

840055-02KIT

Silencer

Porous plastic silencer *3) G1/4

M/S2

Sinter bronce silencer *3) G1/4

T40C2800

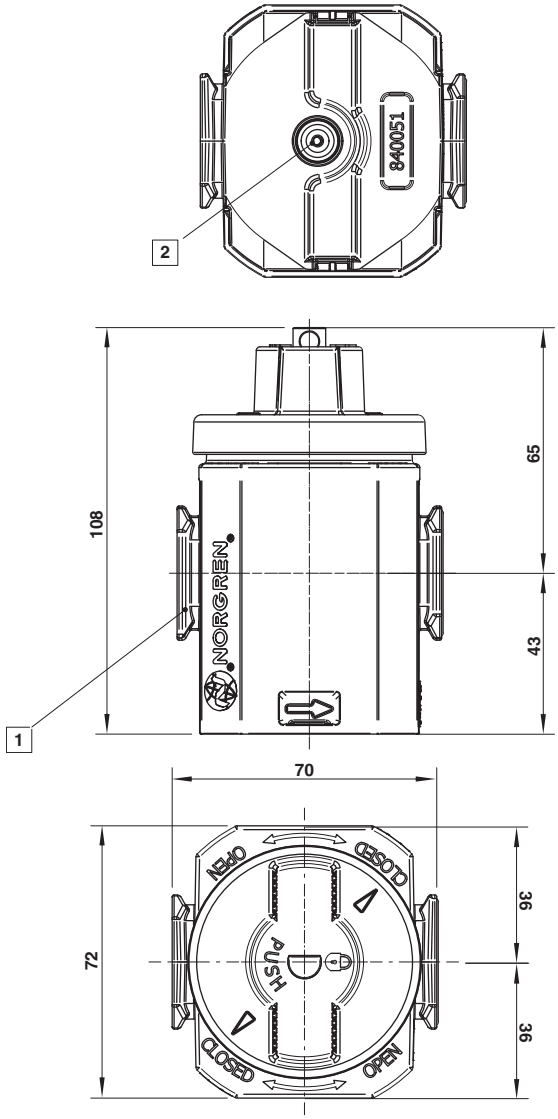
Sinter bronce silencer *3) 1/4 PTF

MS002A

*3) Max. pressure of silencers listed in this data sheet : 10bar. For pressure higher than 10bar please contact Norgren

Dimensions

Dimensions in mm
Projection/First angle

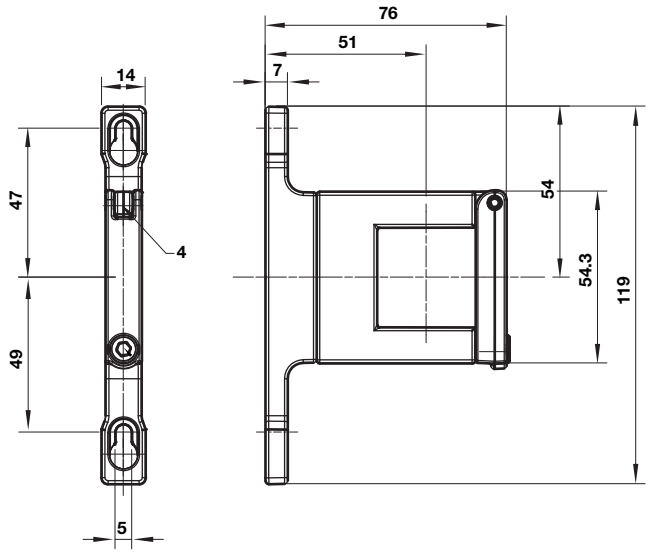


1 Main ports
3/8", 1/2" OR 3/4" ISO G/PTF
2 Exhaust Port G1/4 or 1/4 PTF

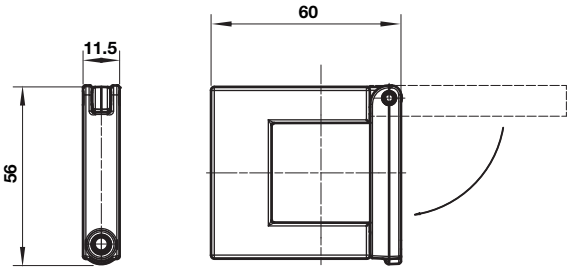
Accessories

Dimensions in mm
Projection/First angle

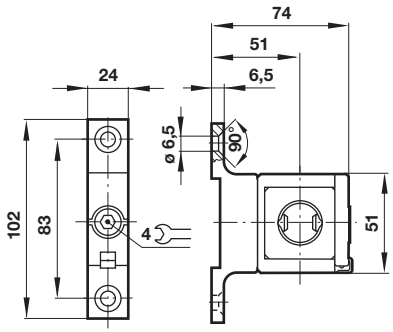
Quikclamp® with wall bracket



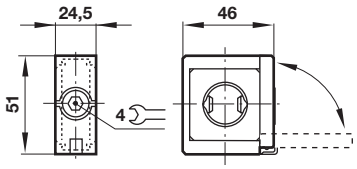
Quikclamp®



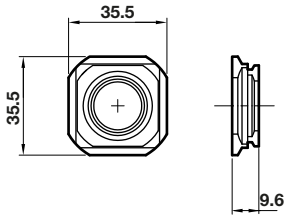
Hybrid-Quikclamp® with wall bracket



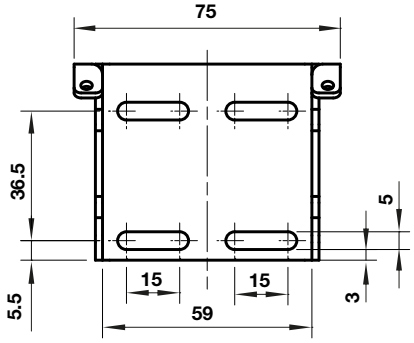
Hybrid-Quikclamp®

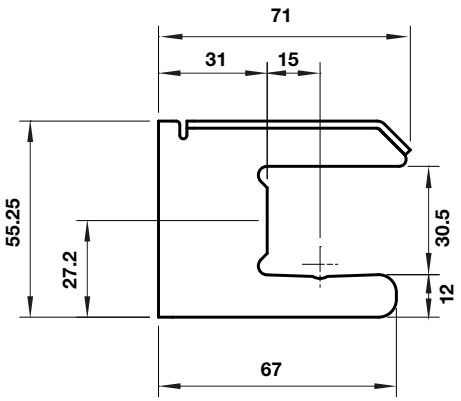


Connector 84-82 Series

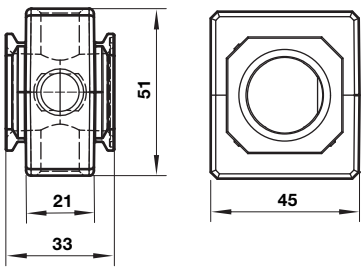


Mounting bracket

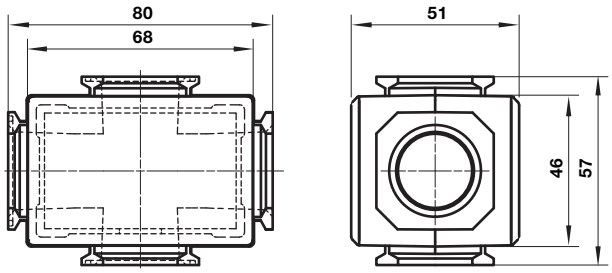




Pressure sensing block

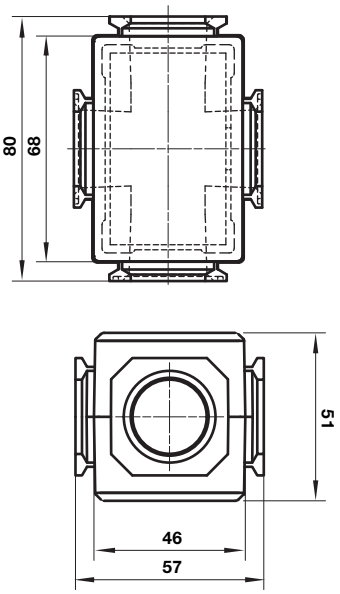


Full flow porting block horizontal

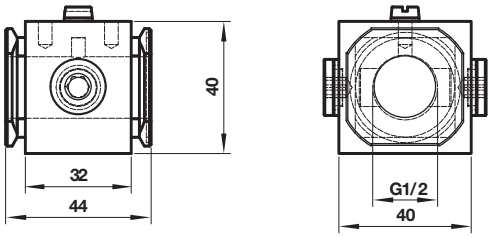


Full flow porting block vertical

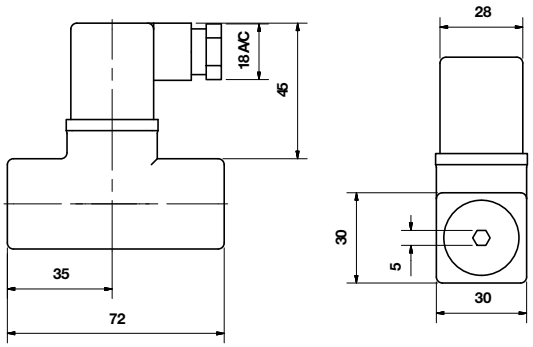
Dimensions in mm
Projection/First angle



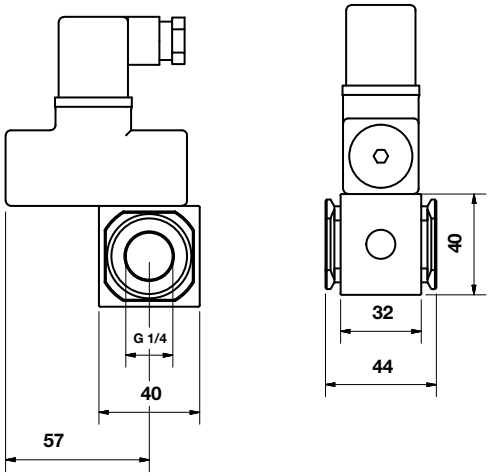
Porting block for 18D pressure switch



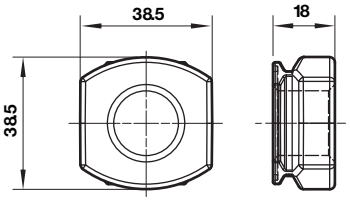
18D Pressure switch



18D Porting block and 18D assembled

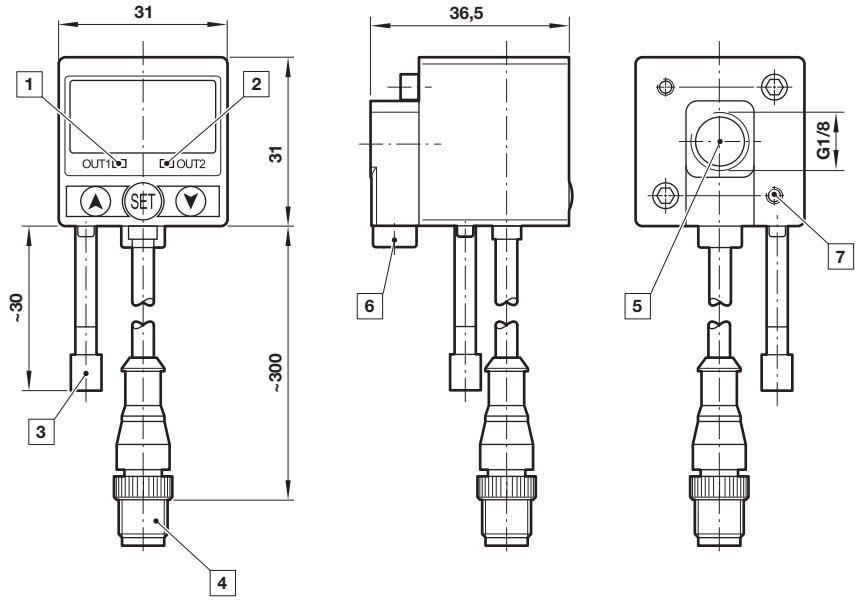


Pipe adaptor



51D Pressure switch - digital

Dimensions in mm
Projection/First angle



1 Switch OUT 1, green LED
2 Switch OUT 2, red LED
3 Dustproof protector
4 Connector M12 x 1
5 Inlet port
6 Alternative inlet port G1/8 plugged
7 Thread for mounting screw

Warning

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Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult Norgren Ltd.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.
System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.
System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.

- **Port size: G1/4 ... G1**
- **Ideally suited to applications in aggressive environments**
- **Easy installation, simple operation and maintenance free**
- **Full bore passage giving minimum flow resistance**
- **Wide temperature range**

Technical features

Medium:
Compressed air, water, inert gases and any other fluid compatible with the valve materials

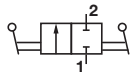
Port size:
G 1/4 ... G 1 (ISO 7/1)

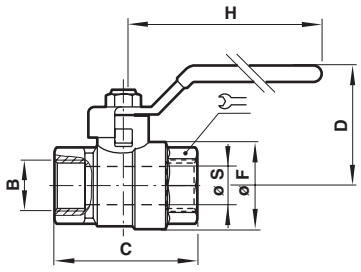
Operating pressure:
see table below
Ambient/Media temperature:
-20 ... +150°C (-4 ... 302°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F)

Materials:
Body, ball and lever:
316 stainless steel
Seats: PTFE (virgin)
Seals: FPM

Dimensions in mm
Projection/First angle

Full bore, female/female

Symbol	A	C	D	Ø S	Ø F	H		Operating pressure (bar)	Weight (kg)	Model
	G 1/4	50	45	8	29	100	22	100	0,24	615112128
	G 3/8	50	45	10	29	100	22	100	0,22	615112138
	G 1/2	60	53,5	15	34	110	27	100	0,29	615112148
	G 3/4	70	64	20	42,5	140	32	64	0,52	615112168
	G 1	85	68	25	50,5	140	40	64	0,74	615112188



Warning

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Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult IMI NORGREN.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.
System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.
System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.

- > **Port size: G1/8 ... G1/2**
- > **Sliding sleeve operation**
- > **Very compact in-line units**
- > **Easy to install**
- > **Very simple and reliable operation 3/2 function**

Technical features

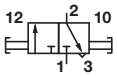
Medium:
Compressed air, filtered, lubricated and non-lubricated
Operation:
Sleeve valve, directly actuated, with open exhaust

Operating pressure:
10 bar(145 psi) max.
Mounting:
Concentrically directly in the pipework
Port sizes:
G 1/8, G 1/4, G 3/8, G 1/2

Ambient/Media temperature:
-20 ... +80°C max.(-4 ... +176°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Materials:
Body: Chrome-nickel plated brass
Sleeve: Grey anodised aluminium
Seals: NBR

Technical data

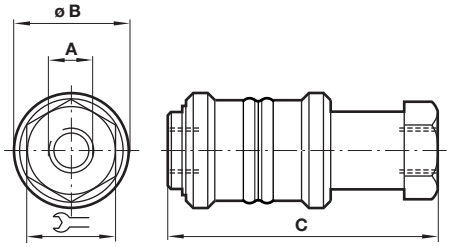
Symbol	Port size	Flow 1 » 2 at 6 » 5 bar (Nl/min)	Weight (kg)	Model
	G1/8	376	0,05	M/7318
	G1/4	775	0,08	M/7328
	G3/8	1590	0,15	M/7338
	G1/2	3025	0,22	M/7348

Option selector

M/73★★

Port size	Substitute
1/8"	**18**
1/4"	**28**
3/8"	**38**
1/2"	**48**

Dimensions



A	Ø B	C	⌲	Model
G1/8	25	48	14	M/7318
G1/4	30	58	17	M/7328
G3/8	35	70	22	M/7338
G1/2	40	80	26	M/7348

Warning

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Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.
System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.
System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.

Port size: Rp1/8 ... 3, G1/8 ... 1

Ideally suited for most general purpose applications

Easy installation, simple operation and maintenance free

Full bore passage giving minimum flow resistance

3-way ball valves with actuator interface conforming to ISO 5211 for rotary actuators

Wide pressure and temperature range

Technical features

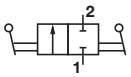
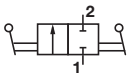
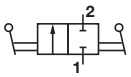
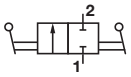
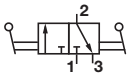
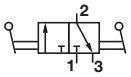
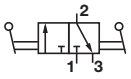
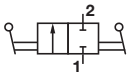
Medium:
Compressed air, water, inert gases and any other fluid compatible with the valve materials

Port size:
Mini G1/8 ... 1/2
Standard Rp1/8 ... 3
3-way Rp1/4 ... 3/4
Exhausting Rp1/4 ... 1 1/2
Lockable G1/4 ... 1
Heavy duty Rp1/4 ... 1

Operating pressure:
See individual details
Ambient/Media temperature:
-20 ... +200°C (-4 ... +392°F)
see table on page 2
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Materials:
Body, seats and seals:
see table on page 2
Handle with PVC grip:
zinc plated steel
(plastic handle on mini ball range)

Technical data

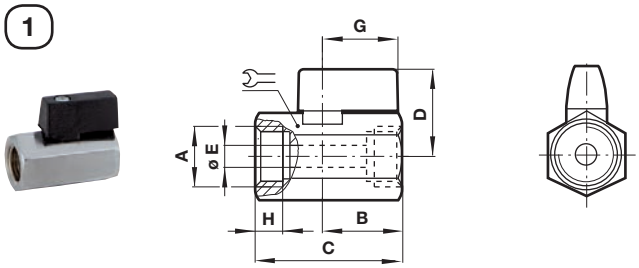
Symbol	Port size	Series #	Type	Material Body/Body finish	Seats/seals	Operating pressure (bar)	Tempera-ture (°C)	Thread standard	Drawing No.	Model
	G1/8	6011	Mini	Brass/Nickel plated	PTFE (virgin)/NBR	-0,4 ... 10	-10 ... +90	ISO 228/1	1	601112118
	G1/4	6011	Mini	Brass/Nickel plated	PTFE (virgin)/NBR	-0,4 ... 10	-10 ... +90	ISO 228/1	1	601112128
	G3/8	6011	Mini	Brass/Nickel plated	PTFE (virgin)/NBR	-0,4 ... 10	-10 ... +90	ISO 228/1	1	601112138
	G1/2	6011	Mini	Brass/Nickel plated	PTFE (virgin)/NBR	-0,4 ... 10	-10 ... +90	ISO 228/1	1	601112148
	G1/8	6011	Mini *1)	Brass/Nickel plated	PTFE (virgin)/NBR	-0,4 ... 10	-10 ... +90	ISO 228/1	2	601112218
	G1/4	6011	Mini *1)	Brass/Nickel plated	PTFE (virgin)/NBR	-0,4 ... 10	-10 ... +90	ISO 228/1	2	601112228
	G3/8	6011	Mini *1)	Brass/Nickel plated	PTFE (virgin)/NBR	-0,4 ... 10	-10 ... +90	ISO 228/1	2	601112238
	G1/2	6011	Mini *1)	Brass/Nickel plated	PTFE (virgin)/NBR	-0,4 ... 10	-10 ... +90	ISO 228/1	2	601112248
	Rp1/4	6021	Standard	Brass/Nickel plated	PTFE (virgin)/ EPDM + HNBR	-0,4 ... 40	-15 ... +90	ISO 7/1	3	602112128
	Rp3/8	6021	Standard	Brass/Nickel plated	PTFE (virgin)/NBR	-0,4 ... 40	-20 ... +60	ISO 7/1	3	602112138
	Rp1/2	6021	Standard	Brass/Nickel plated	PTFE (virgin)/ EPDM + HNBR	-0,4 ... 40	-15 ... +90	ISO 7/1	3	602112148
	Rp3/4	6021	Standard	Brass/Nickel plated	PTFE (virgin)/ EPDM + HNBR	-0,4 ... 40	-15 ... +90	ISO 7/1	3	602112168
	Rp1	6021	Standard	Brass/Nickel plated	PTFE (virgin)/ EPDM + HNBR	-0,4 ... 40	-15 ... +90	ISO 7/1	3	602112188
	Rp1 1/4	6021	Standard	Brass/Nickel plated	PTFE (virgin)/ EPDM + HNBR	-0,4 ... 40	-15 ... +90	ISO 7/1	3	6021121A8
	Rp1 1/2	6021	Standard	Brass/Nickel plated	PTFE (virgin)/ EPDM + HNBR	-0,4 ... 40	-15 ... +90	ISO 7/1	3	6021121B8
	Rp2	6021	Standard	Brass/Nickel plated	PTFE (virgin)/ EPDM + HNBR	-0,4 ... 40	-15 ... +90	ISO 7/1	3	6021121C8
	Rp2 1/2	6021	Standard	Brass/Nickel plated	PTFE (virgin)/ EPDM + HNBR	-0,4 ... 40	-15 ... +90	ISO 7/1	3	6021121D8
	Rp3	6021	Standard	Brass/Nickel plated	PTFE (virgin)/ EPDM + HNBR	-0,4 ... 40	-15 ... +90	ISO 7/1	3	6021121E8
	Rp1/4 (R)	6021	Standard *1)	Brass/Nickel plated	PTFE (virgin)/ EPDM + HNBR	-0,4 ... 40	-15 ... +90	ISO 7/1	4	602112228
	Rp3/8 (R)	6021	Standard *1)	Brass/Nickel plated	PTFE (virgin)/NBR	-0,4 ... 40	-20 ... +60	ISO 7/1	4	602112238
	Rp1/2 (R)	6021	Standard *1)	Brass/Nickel plated	PTFE (virgin)/ EPDM + HNBR	-0,4 ... 40	-15 ... +90	ISO 7/1	4	602112248
	Rp3/4 (R)	6021	Standard *1)	Brass/Nickel plated	PTFE (virgin)/ EPDM + HNBR	-0,4 ... 40	-15 ... +90	ISO 7/1	4	602112268
	Rp1 (R)	6021	Standard *1)	Brass/Nickel plated	PTFE (virgin)/ EPDM + HNBR	-0,4 ... 40	-15 ... +90	ISO 7/1	4	602112288
	Rp1 1/4 (R)	6021	Standard *1)	Brass/Nickel plated	PTFE (virgin)/ EPDM + HNBR	-0,4 ... 40	-15 ... +90	ISO 7/1	4	6021122A8
	Rp1/4	6021	Three way	Brass/Nickel plated	PTFE/PTFE FKM	0 ... 25	-15 ... +120	ISO 7/1	5	602114428
	Rp3/8	6021	Three way	Brass/Nickel plated	PTFE/PTFE FKM	0 ... 25	-15 ... +120	ISO 7/1	5	602114438
	Rp1/2	6021	Three way	Brass/Nickel plated	PTFE/PTFE FKM	0 ... 25	-15 ... +120	ISO 7/1	5	602114448
	Rp3/4	6021	Three way	Brass/Nickel plated	PTFE/PTFE FKM	0 ... 16	-15 ... +120	ISO 7/1	5	602114468
	Rp1/4	6021	Exhausting	Brass/Nickel plated	PTFE (virgin)/PTFE	0,5 ... 12	0 ... +60	ISO 7/1	6	602113128EX
	Rp3/8	6021	Exhausting	Brass/Nickel plated	PTFE (virgin)/PTFE	0,5 ... 12	0 ... +60	ISO 7/1	6	602113138EX
	Rp1/2	6021	Exhausting	Brass/Nickel plated	PTFE (virgin)/PTFE	0,5 ... 12	0 ... +60	ISO 7/1	6	602113148EX
	Rp3/4	6021	Exhausting	Brass/Nickel plated	PTFE (virgin)/PTFE	0,5 ... 12	0 ... +60	ISO 7/1	6	602113168EX
	Rp1	6021	Exhausting	Brass/Nickel plated	PTFE (virgin)/PTFE	0,5 ... 12	0 ... +60	ISO 7/1	6	602113188EX
	Rp1 1/4	6021	Exhausting	Brass/Nickel plated	PTFE (virgin)/PTFE	0,5 ... 12	0 ... +60	ISO 7/1	6	6021131A8EX
	Rp1 1/2	6021	Exhausting	Brass/Nickel plated	PTFE (virgin)/PTFE	0,5 ... 12	0 ... +60	ISO 7/1	6	6021131B8EX
	G1/4	6018	Lockable exhausting	Brass/Nickel plated	PTFE glass filled/PTFE carbon filled	0 ... 14	-10 ... +100	ISO 228/1	7	601812128
	G3/8	6018	Lockable exhausting	Brass/Nickel plated	PTFE glass filled/PTFE carbon filled	0 ... 14	-10 ... +100	ISO 228/1	7	601812138
	G1/2	6018	Lockable exhausting	Brass/Nickel plated	PTFE glass filled/PTFE carbon filled	0 ... 14	-10 ... +100	ISO 228/1	7	601812148
	G3/4	6018	Lockable exhausting	Brass/Nickel plated	PTFE glass filled/PTFE carbon filled	0 ... 14	-10 ... +100	ISO 228/1	7	601812168
	G1	6018	Lockable exhausting	Brass/Nickel plated	PTFE glass filled/PTFE carbon filled	0 ... 14	-10 ... +100	ISO 228/1	7	601812188
	Rp1/4	6051	Heavy Duty	Carbon steel/Zinc plated	PTFE + Carbographite	0 … 160	-20 ... +200	ISO 7/1	8	605112128
	Rp3/8	6051	Heavy Duty	Carbon steel/Zinc plated	PTFE + Carbographite	0 … 160	-20 ... +200	ISO 7/1	8	605112138
	Rp1/2	6051	Heavy Duty	Carbon steel/Zinc plated	PTFE + Carbographite	0 … 160	-20 ... +200	ISO 7/1	8	605112148
	Rp3/4	6051	Heavy Duty	Carbon steel/Zinc plated	PTFE + Carbographite	0 … 160	-20 ... +200	ISO 7/1	8	605112168
	Rp1	6051	Heavy Duty	Carbon steel/Zinc plated	PTFE + Carbographite	0 … 160	-20 ... +200	ISO 7/1	8	605112188

Typical applications
6011: Light duty in-line brass ball valves suitable for a wide variety of low pressure industrial uses.
6018: Medium duty in-line brass exhausting ball valves. Venting action & lockout design adds safety feature to valve.
6021: Medium duty in-line brass ball valves for most applications. Available as a standard valve, a three way diverting valve or with a downstream exhaust option.
6051: Heavy duty ball valve, two piece construction
*1) Male/female thread

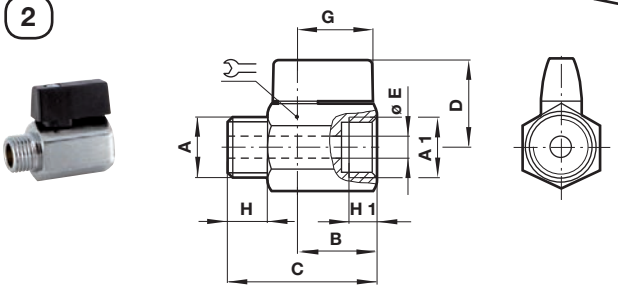
Drawings
6011 series, mini ball

Dimensions in mm
Projection/First angle

1



2



Reduced bore, female/female

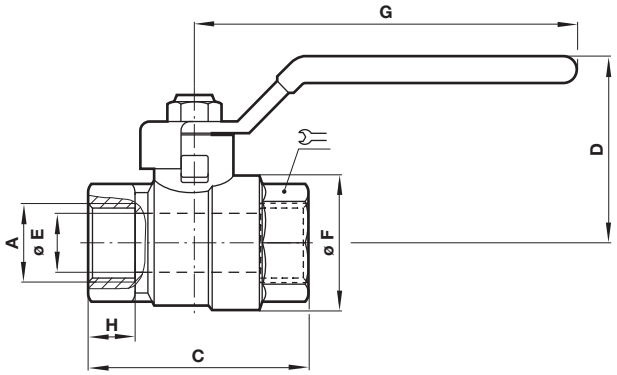
A	B	C	D	ø E	G	H	⌯	Weight (kg)	Model
G1/8	18	36	22	5,5	19	9	19	0,08	601112118
G1/4	18	36	22	5,5	19	9	19	0,07	601112128
G3/8	21	41	24	8	19	9	21	0,09	601112138
G1/2	25	48	30	10	22	10	25	0,14	601112148

Reduced bore, male/female

A	A1	B	C	D	ø E	G	H	H1	⌯	Weight (kg)	Model
G1/8	G1/8	20	37	22	5,5	19	9	9	19	0,6	601112218
G1/4	G1/4	20	37	22	5,5	19	9	9	19	0,6	601112228
G3/8	G3/8	21	41	24	8	19	9	9	21	0,8	601112238
G1/2	G1/2	25	48	30	10	22	11	11	25	0,13	601112248

6021 series, Standard ball valves

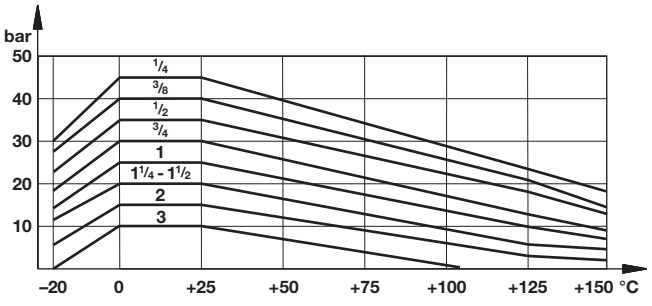
3



Full bore, female/female

A	C	D	ø E	ø F	Rp	H	⌯	Weight (kg)	Model
Rp1/4	48	36	8	23	85	12	18	0,13	602112128
Rp3/8	49	36	10	24	85	12	21	0,15	602112138
Rp1/2	60	40	15	30	85	15	25	0,20	602112148
Rp3/4	69	47	20	38	105	16,3	31	0,34	602112168
Rp1	83	51	25	46	105	19,1	38	0,47	602112188
Rp1 1/4	96	63	32	58	130	21,4	47	0,80	6021121A8
Rp1 1/2	106	69	40	70	130	22	54	1,14	6021121B8
Rp2	129	83	50	86	165	25,7	66	2,03	6021121C8
Rp2 1/2	159	99	65	111	248	30,2	85	3,85	6021121D8
Rp3	182	110	80	135	248	33,3	100	6,00	6021121E8

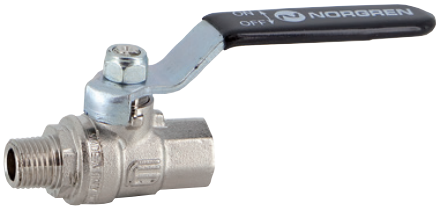
Pressure/temperature diagram

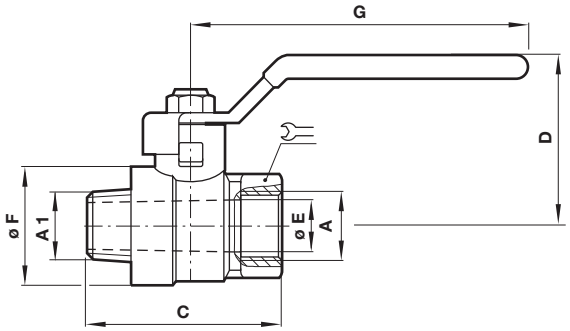


6021 series, Standard ball valves

Dimensions in mm
Projection/First angle

4

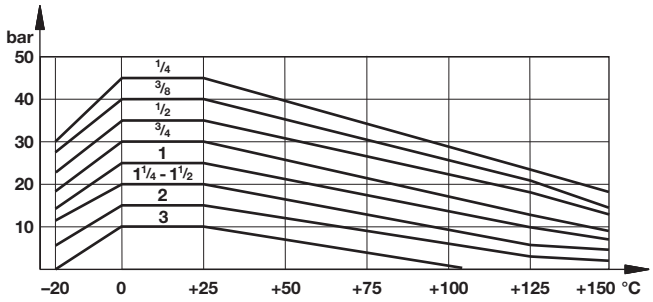




Full bore, male/female

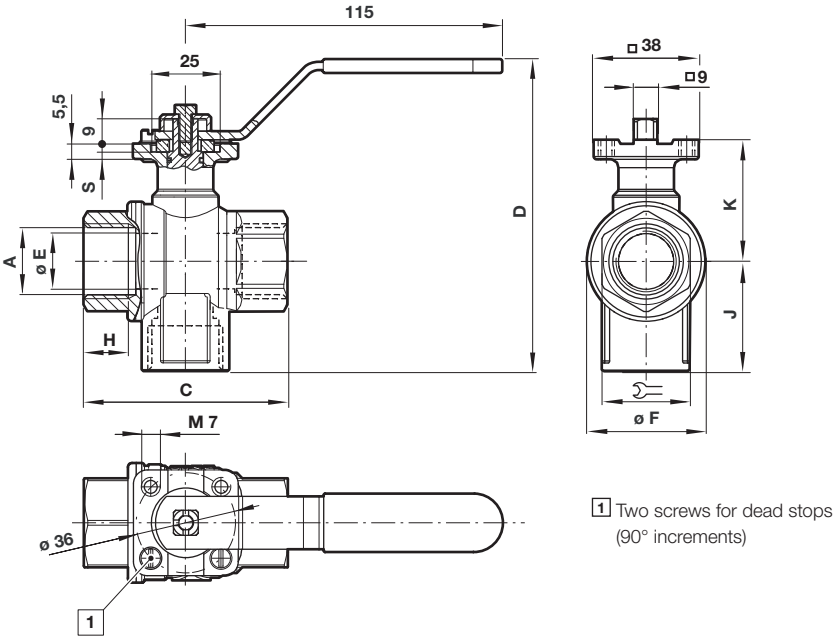
A	A1	C	D	ø E	ø F	G	⌲	Weight (kg)	Model
Rp1/4	R1/4	50	36	8	23	85	18	0,13	602112228
Rp3/8	R3/8	54	36	10	24	85	21	0,16	602112238
Rp1/2	R1/2	65	40	15	30	85	25	0,22	602112248
Rp3/4	R3/4	75	47	20	38	105	31	0,37	602112268
Rp1	R1	86	51	25	46	105	38	0,51	602112288
Rp1 1/4	R1 1/4	99	63	32	58	130	47	0,87	6021122A8

Pressure/temperature diagram



6021 series, 3-way ball valve conforms to ISO 5211

5

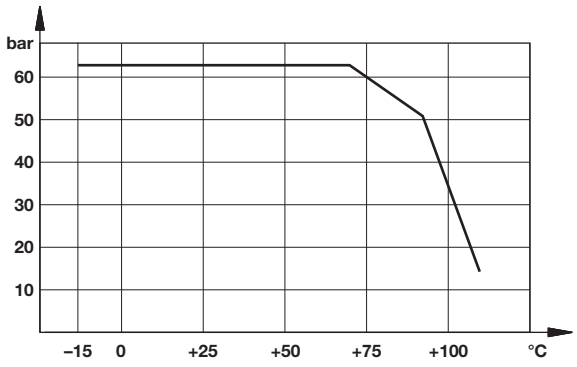


1 Two screws for dead stops (90° increments)

3-way full bore

A	C	D	øF	H	J	K	⌲	Weight (kg)	Model
Rp1/4	52	60	28	11	26	29	22	0,33	602114428
Rp3/8	52	60	28	11,5	26	29	22	0,31	602114438
Rp1/2	64	62	34,5	15	33,5	32	27	0,43	602114448
Rp3/4	74	43	43	16	39,5	42	32	0,57	602114468

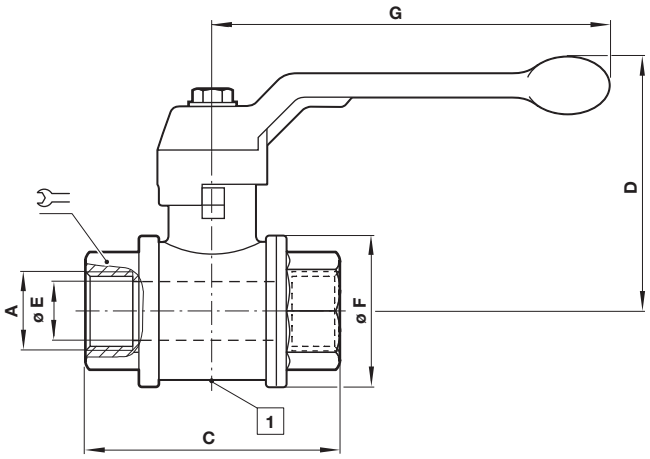
Pressure/temperature diagram



6021 series, Exhausting ball valve

6

Dimensions in mm
Projection/First angle



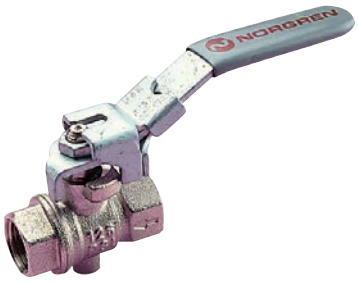
1 Ø 2,5 mm exhaust port

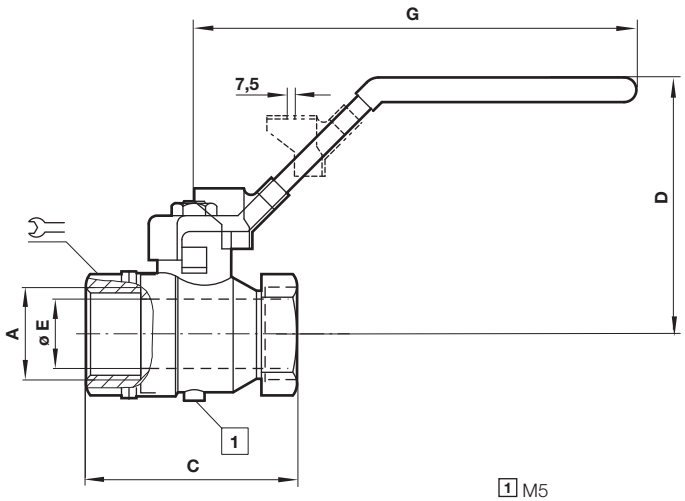
Full bore, female/female

A	C	D	ø E	ø F	Rp	⌯	Weight (kg)	Model
Rp1/4	52	61	8	29	100	22	0,26	602113128EX
Rp3/8	54	61	10	29	100	22	0,23	602113138EX
Rp1/2	69	64	15	36	100	27	0,37	602113148EX
Rp3/4	77	76	20	45	120	33	0,63	602113168EX
Rp1	89	80	25	54	120	40	0,91	602113188EX
Rp1 1/4	103	98	32	65	150	50	1,55	6021131A8EX
Rp1 1/2	114	104	40	79	150	-	2,30	6021131A8EX

6018 series, Lockable exhausting ball valve

7





1 M5

Full bore, female/female

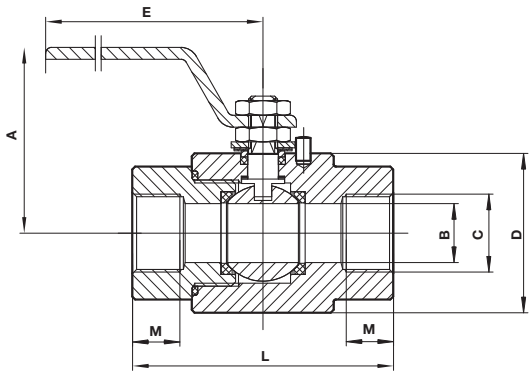
A	C	D	ø E	G	⌯	Weight (kg)	Model
G1/4	44	45	8	93	20	0,17	601812128
G3/8	44	45	9	93	20	0,16	601812138
G1/2	58	50	14	93	24	0,24	601812148
G3/4	64	57	19	114	30	0,37	601812168
G1	81	61	24	114	40	0,62	601812188

Lever lockable only in closed position. Standard handle accepts Ø 7 mm shackle.
Test specification differs from standard. Please consult our Technical Service for futher details.

6051 series, Carbon steel ball valve

8

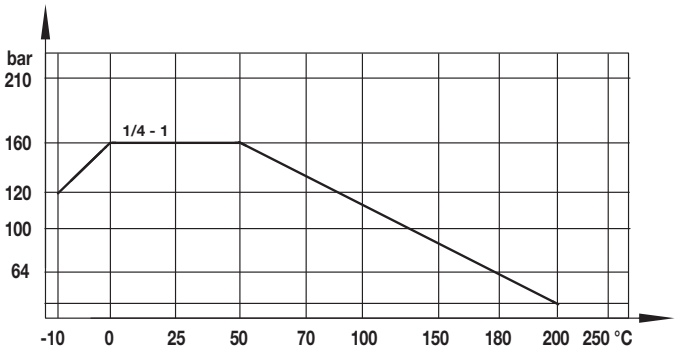
Dimensions in mm
Projection/First angle



Full bore, female/female

Size	A	B	D	E	L	M	Weight (kg)	Model
1/4"	72	10	42	148	67	11	0.61	605112128
3/8"	72	10	42	148	67	11,4	0.62	605112138
1/2"	75	15	50	148	75	15	0.93	605112148
3/4"	85	20	60	180	90	16,3	1.56	605112168
1"	95	25	68	180	105	19,1	2.27	605112188

Pressure/temperature diagram



Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under »**Technical features/data**«.
Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult
IMI Precision Engineering, Norgren Ltd.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes. The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.
System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.
System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.

V50 ... V53 Series, 3/2, 5/2 or 5/3
Solenoid actuated and pilot operated spool valve

- **Port size: 1/8 ... 1/2 (ISO G/NPT)**
- **High flow in-line valves**
- **Compact and robust design**
- **Low power energy efficient solenoids**
- **Flexible in-line and manifold mounting options**

Technical features

Medium:
Compressed air, filtered (40 µm) lubricated or non lubricated
Operation:
Softseal spool valve, solenoid and pilot actuated
Port size:
1/8, 1/4, 3/8, 1/2
Mounting position:
In-line or sub-base

Operating pressure:
Details of minimum and maximum pressure see overleaf.
Flow:
See tables overleaf

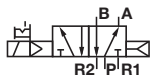
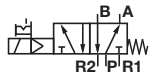
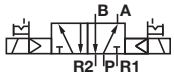
Ambient/Media temperature:
Pilot models:
-5°C ... +60°C (+23 ... +140 °F)
Solenoid models:
-5°C ... +50°C (+23 ... +122 °F);
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35 °F).

Materials:
Body/sub-base: die-cast aluminium alloy or aluminium alloy, white painted
Softseal spool: NBR/aluminium alloy
Mounting sheets/screws: steel
Springs: stainless steel

Electrical details for solenoid operators

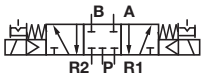
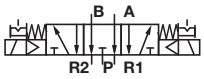
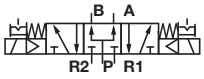
Voltage tolerance	± 10%
Rating	100% continuous duty
Inlet orifice	0,6 mm; V50
	0,8 mm; V51 ... V53
Electrical connection (corresponding to choosen coil)	EN 175301-803 - Form C; 15 mm; V50
	Industrial Standard; 22 mm; V51 ... V53
Solenoid coil mounting	Four positions x 90°
Manual override	Push and turn to lock (plastic)
Protection class	IP 65 (with sealed plug)

Technical data, 3/2 and 5/2 way valves, solenoid actuated, standard models

Symbol	Function	Port size	Actuation/ return	Pilot supply	Operating pressure (bar)	Flow (l/min)	Manual override	Weight (kg)	Drawing No.	Model *1)
	3/2	G1/8	Solenoid/air	Internal	2 ... 8	480	Push & turn	0,120	1	V50A413A-A2
	3/2	G1/4	Solenoid/spring	Internal	2 ... 8	1020	Push & turn	0,203	2	V51B417A-A2
	3/2	G3/8	Solenoid/spring	Internal	2 ... 8	1705	Push & turn	0,350	2	V52C417A-A2
	3/2	G1/2	Solenoid/spring	Internal	2 ... 8	2480	Push & turn	0,353	2	V53D417A-A2
	3/2	G1/8	Solenoid/solenoid	Internal	2 ... 8	480	Push & turn	0,172	3	V50A411A-A2
	3/2	G1/4	Solenoid/solenoid	Internal	2 ... 8	1020	Push & turn	0,296	4	V51B411A-A2
	3/2	G3/8	Solenoid/solenoid	Internal	2 ... 8	1705	Push & turn	0,439	4	V52C411A-A2
	3/2	G1/2	Solenoid/solenoid	Internal	2 ... 8	2480	Push & turn	0,437	4	V53D411A-A2
	5/2	G1/8	Solenoid/air	Internal	2 ... 8	480	Push & turn	0,124	5	V50A513A-A2
	5/2	G1/4	Solenoid/spring	Internal	2 ... 8	1020	Push & turn	0,184	6	V51B517A-A2
	5/2	G3/8	Solenoid/spring	Internal	2 ... 8	1705	Push & turn	0,293	6	V52C517A-A2
	5/2	G1/2	Solenoid/spring	Internal	2 ... 8	2480	Push & turn	0,303	6	V53D517A-A2
	5/2	G1/8	Solenoid/solenoid	Internal	2 ... 8	480	Push & turn	0,176	7	V50A511A-A2
	5/2	G1/4	Solenoid/solenoid	Internal	2 ... 8	1020	Push & turn	0,292	8	V51B511A-A2
	5/2	G3/8	Solenoid/solenoid	Internal	2 ... 8	1705	Push & turn	0,452	8	V52C511A-A2
	5/2	G1/2	Solenoid/solenoid	Internal	2 ... 8	2480	Push & turn	0,190	8	V53D511A-A2

*1) Insert coil code from below tables.

Technical data, 5/3 way valves, solenoid actuated, standard models

Symbol	Function	Port size	Mid position	Actuation/ return	Pilot supply	Operating pressure (bar)	Flow (l/min)	Manual override	Weight (kg)	Drawing No.	Model *1)
	5/3	G1/8	APB	Solenoid/solenoid	Internal	3 ... 8	270	Push & turn	0,338	9	V50A611A-A2
	5/3	G1/4	APB	Solenoid/solenoid	Internal	3 ... 8	755	Push & turn	0,387	10	V51B611A-A2
	5/3	G3/8	APB	Solenoid/solenoid	Internal	3 ... 8	1190	Push & turn	0,565	11	V52C611A-A2
	5/3	G1/2	APB	Solenoid/solenoid	Internal	3 ... 8	1910	Push & turn	0,634	11	V53D611A-A2
	5/3	G1/8	COE	Solenoid/solenoid	Internal	3 ... 8	270	Push & turn	0,338	9	V50A711A-A2
	5/3	G1/4	COE	Solenoid/solenoid	Internal	3 ... 8	755	Push & turn	0,387	10	V51B711A-A2
	5/3	G3/8	COE	Solenoid/solenoid	Internal	3 ... 8	1190	Push & turn	0,565	11	V52C711A-A2
	5/3	G1/2	COE	Solenoid/solenoid	Internal	3 ... 8	1910	Push & turn	0,634	11	V53D711A-A2
	5/3	G1/8	COP	Solenoid/solenoid	Internal	3 ... 8	270	Push & turn	0,338	9	V50A811A-A2
	5/3	G1/4	COP	Solenoid/solenoid	Internal	3 ... 8	755	Push & turn	0,387	10	V51B811A-A2
	5/3	G3/8	COP	Solenoid/solenoid	Internal	3 ... 8	1190	Push & turn	0,565	11	V52C811A-A2
	5/3	G1/2	COP	Solenoid/solenoid	Internal	3 ... 8	1910	Push & turn	0,634	11	V53D811A-A2

*1) Insert coil code from below tables.
APB = All Ports Blocked; COE = Centre Open Exhaust,; COP = Centre Open Pressure

Voltage codes and spare coils

V50 series only

15 mm coil for connector interface acc. EN 175 301-803, form C

	Voltage	Power Inrush/Hold	Model	Code
	12 V d.c.	2,9 W	V12958-A12	12A
	24 V d.c.	2,9 W	V12958-A13	13A
	110/120 V 50/60 Hz	3,7/3,1 VA	V12958-A18	18A
	220/240 V 50/60 Hz	3,7/3,1 VA	V12958-A19	19A

V51 ... V53 series

22 mm coil for connector interface acc. to industrial standard

	Voltage	Power Inrush/Hold	Model	Code
	12 V d.c.	2 W	QM/48/12J/21	12J
	24 V d.c	2 W	QM/48/13J/21	13J
	110/120 V 50/60 Hz	4/2,5 VA	QM/48/18J/21	18J
	220/240 V 50/60 Hz	6/5 VA	QM/48/19J/21	19J

Connector plugs - include of delivery

15 mm, EN 175301-803 (DIN 43650 B) Form C 2-pole + PE

V10027-D00

Industrial standard 22 mm 2-pole + PE

0657868

Option selector

V5★★★1★A-A2★★★

Thread size	Substitute
1/8"	**0**
1/4"	**1**
3/8"	**2**
1/2"	**3**

Thread	Substitute
G 1/8	**A**
G 1/4	**B**
G 3/8	**C**
G 1/2	**D**

NPT-Thread	Substitute
1/8 NPT	**P**
1/4 NPT	**R**
3/8 NPT	**S**
1/2 NPT	**T**

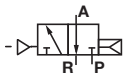
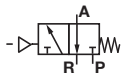
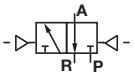
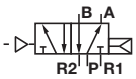
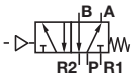
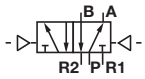
Voltage (Series V50)	Substitute
12 V d.c. 2,9 W	**12A**
24 V d.c. 2,9 W	**13A**
110/120 V a.c. (50/60 Hz) 3,7/3,1 VA	**18A**
220/240 V a.c. (50/60 Hz) 3,7/3,1 VA	**19A**

Voltage (Series V51 ... V53)	Substitute
12 V d.c. 2 W	**12J**
24 V d.c. 2 W	**13J**
110/120 V a.c. (50/60 Hz) 4/2,5 VA	**18J**
220/240 V a.c. (50/60 Hz) 6/5 VA	**19J**

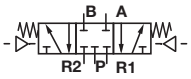
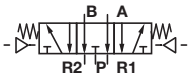
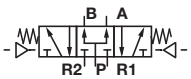
Actuation	Substitute
Solenoid/air	**3**
Solenoid/spring	**7**
Solenoid/solenoid	**1**

Function	Substitute
3/2 Normally closed	**4**
5/2	**5**
5/3 All ports blocked	**6**
5/3 Centre open exhaust	**7**
5/3 Centre open pressure	**8**

Technical data, 3/2 or 5/2 way valves, pilot actuated, standard models

Symbol	Function	Port size	Pilot	Return	Operating pressure (bar)	Pilot pressure (bar)	Flow (l/min)	Weight (kg)	Drawing No.	Model
	3/2	G1/8	Air	Air spring	0 ... 8	1,5 ... 8	480	0,061	12	V50A4D3A-XA090
	3/2	G1/4	Air	Spring	0 ... 8	1,5 ... 8	1020	0,122	13	V51B4D7A-XA090
	3/2	G3/8	Air	Spring	0 ... 8	2 ... 8	1705	0,295	13	V52C4D7A-XA090
	3/2	G1/2	Air	Spring	0 ... 8	2 ... 8	2480	0,300	13	V53D4D7A-XA090
	3/2	G1/8	Air	Air	0 ... 8	1,5 ... 8	480	0,074	14	V50A4DDA-XA020
	3/2	G1/4	Air	Air	0 ... 8	1,5 ... 8	1020	0,134	15	V51B4DDA-XA020
	3/2	G3/8	Air	Air	0 ... 8	2 ... 8	1705	0,324	15	V52C4DDA-XA020
	3/2	G1/2	Air	Air	0 ... 8	2 ... 8	2480	0,326	15	V53D4DDA-XA020
	5/2	G1/8	Air	Air spring	0 ... 8	1,5 ... 8	480	0,071	16	V50A5D3A-XA090
	5/2	G1/4	Air	Spring	0 ... 8	1,5 ... 8	1020	0,106	17	V51B5D7A-XA090
	5/2	G3/8	Air	Spring	0 ... 8	2 ... 8	1705	0,236	17	V52C5D7A-XA090
	5/2	G1/2	Air	Spring	0 ... 8	2 ... 8	2480	0,275	17	V53D5D7A-XA090
	5/2	G1/8	Air	Air	0 ... 8	1,5 ... 8	480	0,084	18	V50A5DDA-XA020
	5/2	G1/4	Air	Air	0 ... 8	1,5 ... 8	1020	0,134	19	V51B5DDA-XA020
	5/2	G3/8	Air	Air	0 ... 8	2 ... 8	1705	0,236	19	V52C5DDA-XA020
	5/2	G1/2	Air	Air	0 ... 8	2 ... 8	2480	0,750	19	V53D5DDA-XA020

Technical data, 5/3 way valves, pilot actuated, standard models

Symbol	Function	Port size	Pilot	Mid position	Return	Operating pressure (bar)	Pilot pressure (bar)	Flow (l/min)	Weight (kg)	Drawing No.	Model
	5/3	G1/8	Air	APB	Air	0 ... 8	1,5 ... 8	270	0,095	20	V50A6DDA-XA020
	5/3	G1/4	Air	APB	Air	0 ... 8	1,5 ... 8	755	0,179	21	V51B6DDA-XA020
	5/3	G3/8	Air	APB	Air	0 ... 8	2 ... 8	1190	0,301	22	V52C6DDA-XA020
	5/3	G1/2	Air	APB	Air	0 ... 8	2 ... 8	1910	0,338	22	V53D6DDA-XA020
	5/3	G1/8	Air	COE	Air	0 ... 8	1,5 ... 8	270	0,095	20	V50A7DDA-XA020
	5/3	G1/4	Air	COE	Air	0 ... 8	1,5 ... 8	755	0,179	21	V51B7DDA-XA020
	5/3	G3/8	Air	COE	Air	0 ... 8	2 ... 8	1190	0,301	22	V52C7DDA-XA020
	5/3	G1/2	Air	COE	Air	0 ... 8	2 ... 8	1910	0,338	22	V53D7DDA-XA020
	5/3	G1/8	Air	COP	Air	0 ... 8	1,5 ... 8	270	0,095	20	V50A8DDA-XA020
	5/3	G1/4	Air	COP	Air	0 ... 8	1,5 ... 8	755	0,179	21	V51B8DDA-XA020
	5/3	G3/8	Air	COP	Air	0 ... 8	2 ... 8	1190	0,301	22	V52C8DDA-XA020
	5/3	G1/2	Air	COP	Air	0 ... 8	2 ... 8	1910	0,338	22	V53D8DDA-XA020

APB = All Ports Blocked; COE = Centre Open Exhaust; COP = Centre Open Pressure

Option selector

V5★★★D★A-X★0★0

Thread size	Substitute
1/8"	0
1/4"	1
3/8"	2
1/2"	3

Thread	Substitute
G 1/8	A
G 1/4	B
G 3/8	C
G 1/2	D

NPT-Thread	Substitute
1/8 NPT	P
1/4 NPT	R
3/8 NPT	S
1/2 NPT	T

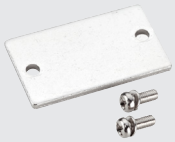
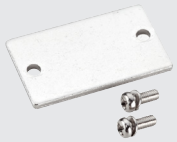
Air function	Substitute
Pilot operated/pilot return	2
Pilot operated/spring return	9

Pilot port thread	Substitute
G 1/8	A
1/8 NPT	P

Return	Substitute
Air spring	3
Spring	7
Air	D

Function	Substitute
3/2 Normally closed	4
5/2	5
5/3 All ports blocked	6
5/3 Centre open exhaust	7
5/3 Centre open pressure	8

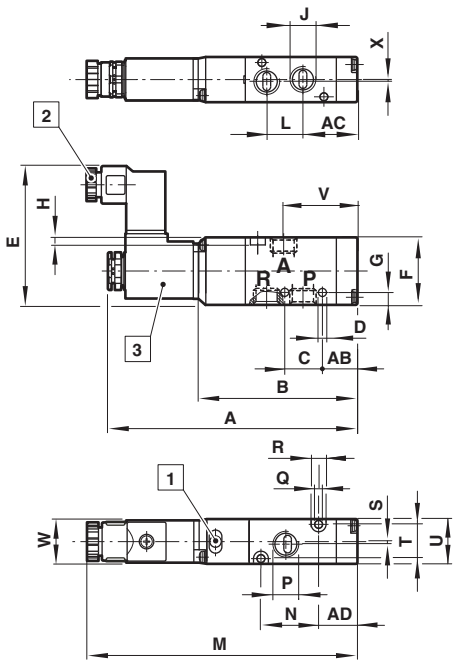
Manifold system and blanking plates

	Manifold for 3 port valves		Blanking plate for 3 port valves	Manifold for 5 port valves		Blanking plate for 5 port valves
						
For valve series	**Page 14 ISO G thread**	**NPT thread**	**Page 15**	**Page 14 ISO G thread**	**NPT thread**	**Page 15**
V50 (1/8")	V50A3*1)	V50P3*1)	V500351	V50A5*1)	V50P5*1)	V500551
V51 (1/4")	V51B3*1)	V51R3*1)	V510351	V51B5*1)	V51R5*1)	V510551
V52 (3/8")	V52C3*1)	V52S3*1)	V520351	V52C5*1)	V52S5*1)	V520551
V53 (1/2")	V53D3*1)	V53T3*1)	V530351	V53D5*1)	V53T5*1)	V530551

*1) Number of station 02 ... 09 for 2 ... 9 stations
Number of station 10 for 10 stations

3/2 Single solenoid pilot valve, 1/8" port
Air return

1

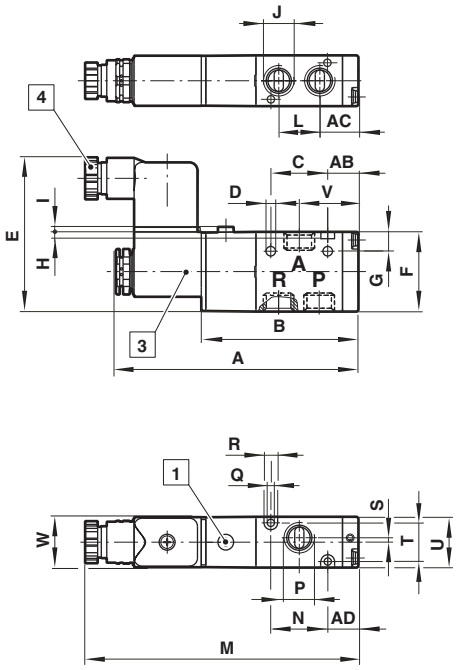


1 Manual override (Push and Turn)
2 Gland size Pg 7

3/2 Single solenoid pilot valve, 1/4"... 1/2" ports
Spring return

Dimensions in mm
Projection/First angle

2

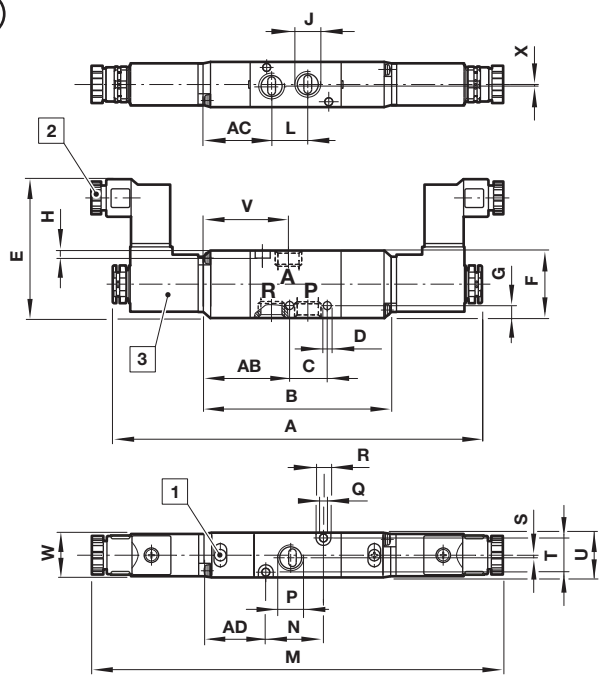


3 Solenoid rotates 2 x 180° (V50), 4 x 90° (V51 ... V53)
4 Gland size Pg 9

Series	Drawing	A	AB	AC	AD	B	C	D	E	F	G	H	I	J	L	M	N	P	Q	R	S	T	U	V	W	X
V50	1	99,5	13,5	21,5	15,5	65	15	3,2	55,5	27	5	3	–	1/8"	14,5	108	23	1/8"	3,2	6	1	13	18	29,5	16	0,5
V51	2	106,5	13,5	17	13,5	69	25	4,2	67	35	8,5	3	3	1/4"	18	120	25	1/4"	3,2	6	2	17	22,5	26	22	–
V52	2	126,5	13	26	15	89	26	4,5	73	46,5	39,5	4	3	3/8"	26	139,5	41	3/8"	4,5	8	–	23	30	41	22	–
V53	2	133	12,5	27	15	96	29	4,5	73	46,5	39,5	4	3	1/2"	29	146	48	1/2"	4,2	8	2,5	23	30	40,5	22	–

3/2 Double solenoid pilot valve, 1/8" port

1

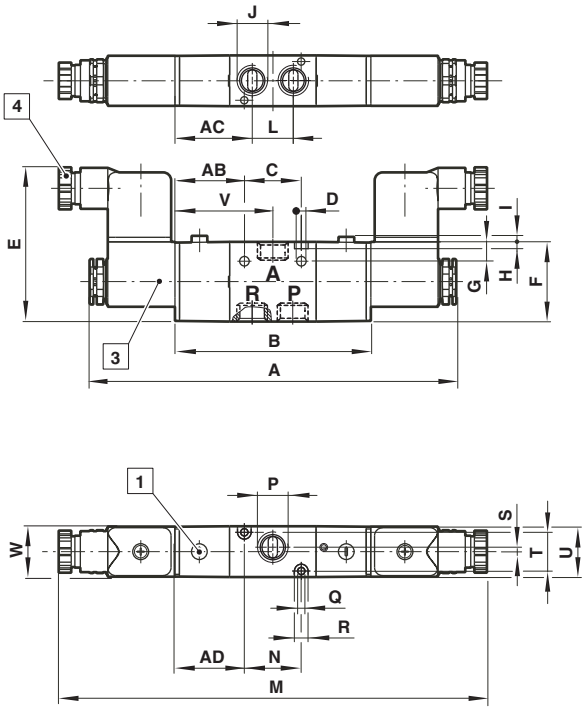


1 Manual override (Push and Turn)
2 Gland size Pg 7

3/2 Double solenoid pilot valve, 1/4"... 1/2" ports

Dimensions in mm
Projection/First angle

2

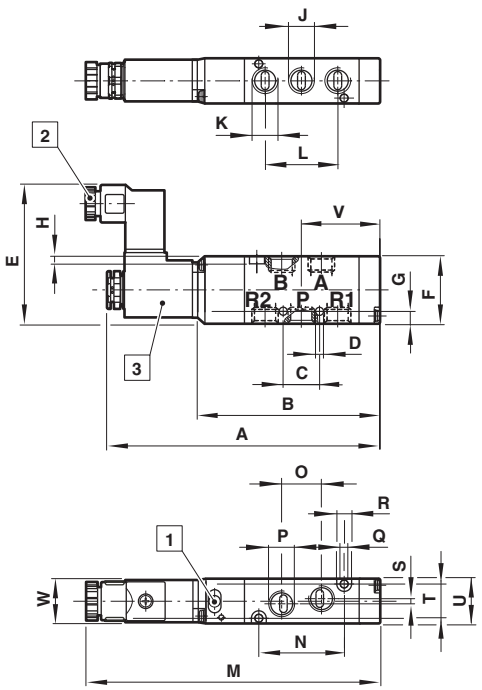


3 Solenoid rotates 2 x 180° (V50), 4 x 90° (V51 ... V53)
4 Gland size Pg 9

Series	Drawing	A	AB	AC	AD	B	C	D	E	F	G	H	I	J	L	M	N	P	Q	R	S	T	U	V	W	X
V50	3	144,5	36,5	29	27	76,5	15	3,2	55,5	27	5	3	–	1/8"	14,5	161,5	23	1/8"	3,2	6	1	13	18	35,5	16	0,5
V51	4	144,5	30,5	34	30,5	86	25	4,2	67	35	8,5	3	3	1/4"	18	188	25	1/4"	3,2	6	2	17	22,5	43	22	–
V52	4	182	31	44	33	107	26	4,5	73	46,5	39,5	4	3	3/8"	26	208	41	3/8"	4,5	8	–	23	30	59	22	–
V53	4	188	30,5	45	33	114	29	4,5	73	46,5	39,5	4	3	1/2"	29	214	48	1/2"	4,2	8	2,5	23	30	58,5	22	–

5/2 Single solenoid pilot valve, 1/8" port
Air return

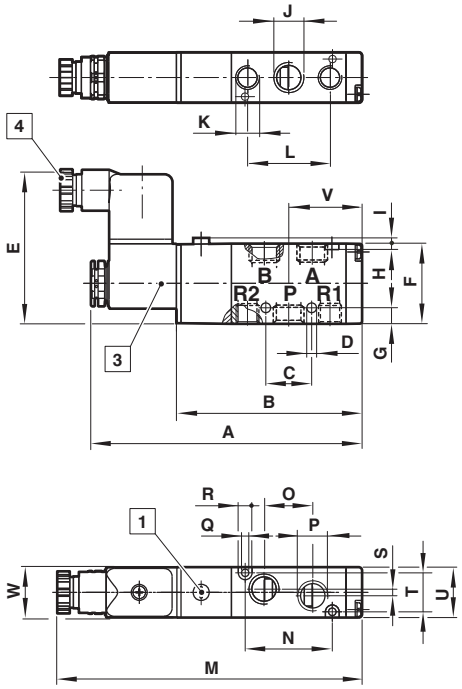
5



5/2 Single solenoid pilot valve, 1/4"... 1/2" ports
Spring return

Dimensions in mm
Projection/First angle

6



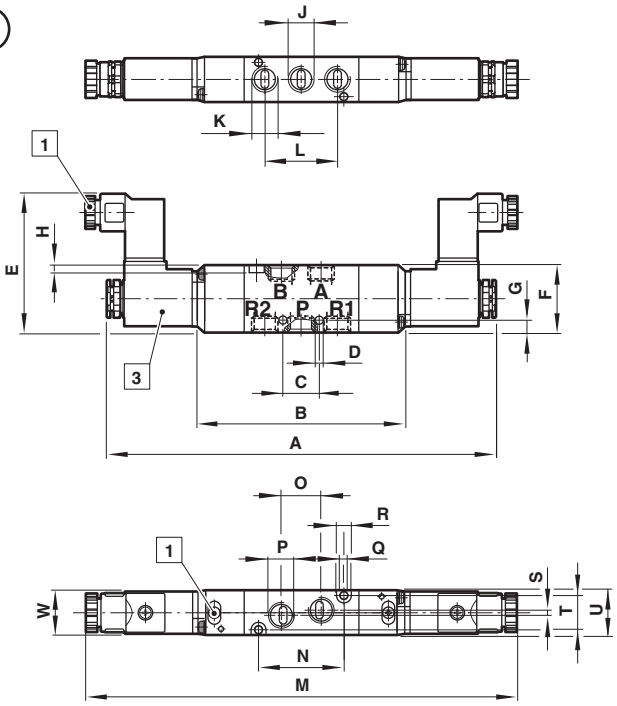
1 Manual override (Push and Turn)
2 Gland size Pg 7

3 Solenoid rotates 2 x 180° (V50), 4 x 90° (V51 ... V53)
4 Gland size Pg 9

Series	Drawing	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
V50	5	110	76	14,5	3,2	54	27	5	3	–	1/8"	1/8"	29	118,5	34	16	1/8"	3,2	6	2	13	18	32,5	16
V51	6	118,5	81	20	4,2	67	35	7	3	3	1/4"	1/8"	36	132	38	21	1/4"	3,2	6	3	17	22,5	32	22
V52	6	145,5	108	26	5,5	73	46,5	4,5	4	3	3/8"	3/8"	52	158,5	13	30	3/8"	4,5	8	–	23	30	45	22
V53	6	157	120	29	4,5	73	46,5	7	4	3	1/2"	1/2"	58	170	72	28	1/2"	4,2	8	4,5	23	30	51	22

5/2 Double solenoid pilot valve, 1/8" port

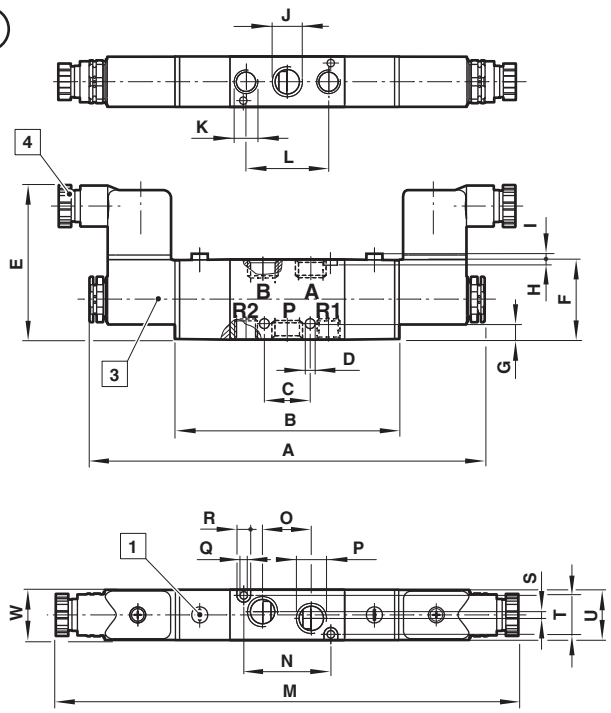
7



5/2 Double solenoid pilot valve, 1/4"... 1/2" ports

Dimensions in mm
Projection/First angle

8



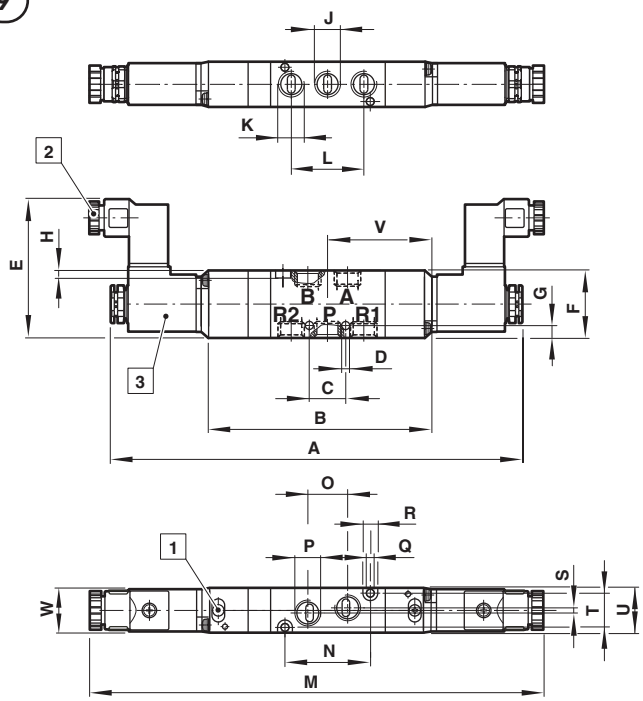
1 Manual override (Push and Turn)
2 Gland size Pg 7

3 Solenoid rotates 2 x 180° (V50), 4 x 90° (V51 ... V53)
4 Gland size Pg 9

Series	Drawing	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	W
V50	7	155	87	14,5	3,2	55	27	5	3	–	1/8"	1/8"	29	172	34	16	1/8"	3,2	6	2	13	18	16
V51	8	173	98	20	4,2	67	35	7	3	3	1/4"	1/8"	36	200	38	21	1/4"	3,2	6	3	17	22,5	22
V52	8	201	126	26	5,5	73	46,5	4,5	4	3	3/8"	3/8"	52	228	13	30	3/8"	4,5	8	–	23	30	22
V53	8	212	138	29	4,5	73	46,5	7	4	3	1/2"	1/2"	58	238	72	28	1/2"	4,2	8	4,5	23	30	22

5/3 Double solenoid pilot valve, 1/8" port

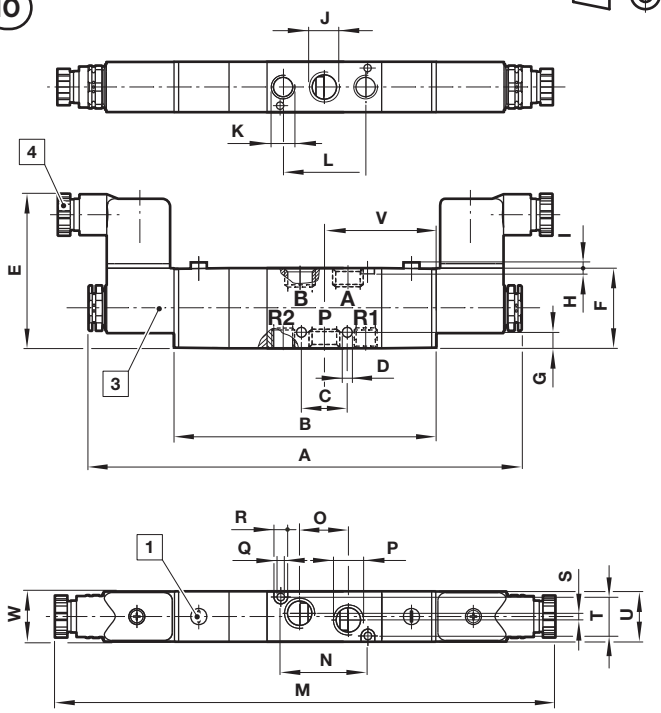
9



5/3 Double solenoid pilot valve, 1/4" port

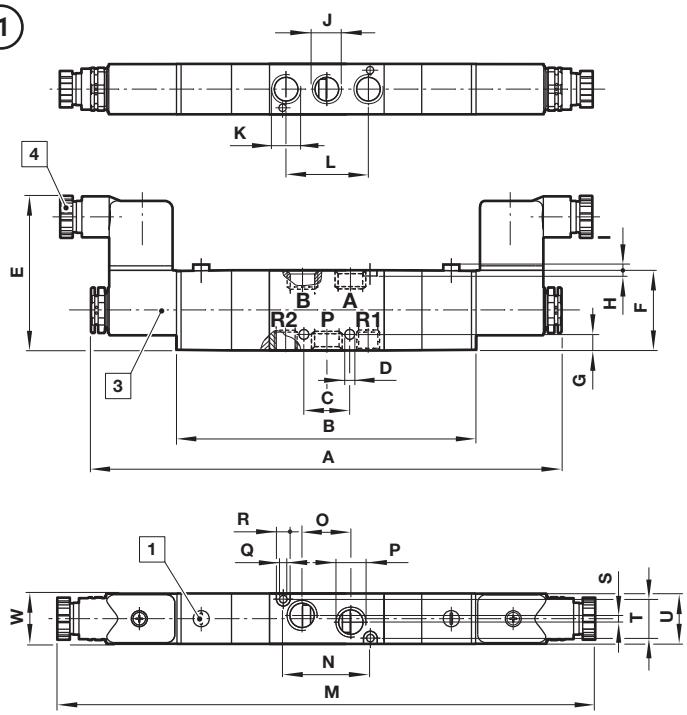
Dimensions in mm
Projection/First angle

10



5/3 Double solenoid pilot valve, 3/8"and 1/2" ports

11

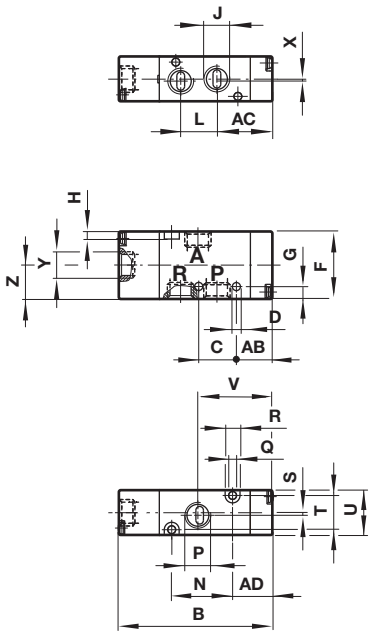


1 Manual override (Push and Turn)
2 Gland size Pg 7
3 Solenoid rotates 2 x 180° (V50), 4 x 90° (V51 ... V53)
4 Gland size Pg 9

Series	Drawing	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
V50	9	164	96	14,5	3,2	55	27	5	3	–	1/8"	1/8"	29	181	34	16	1/8"	3,2	6	2	13	18	43,5	16
V51	10	194	119	20	4,2	67	35	7	3	3	1/4"	1/8"	36	221	38	21	1/4"	3,2	6	3	17	22,5	48,5	22
V52	11	254,5	179,5	26	5,5	73	46,5	4,5	4	3	3/8"	3/8"	52	281,5	13	30	3/8"	4,5	8	–	23	30	–	22
V53	11	265,5	191,5	29	4,5	73	46,5	7	4	3	1/2"	1/2"	58	291,5	72	28	1/2"	4,2	8	4,5	23	30	–	22

3/2 Single air pilot valve, 1/8" port
Air spring return

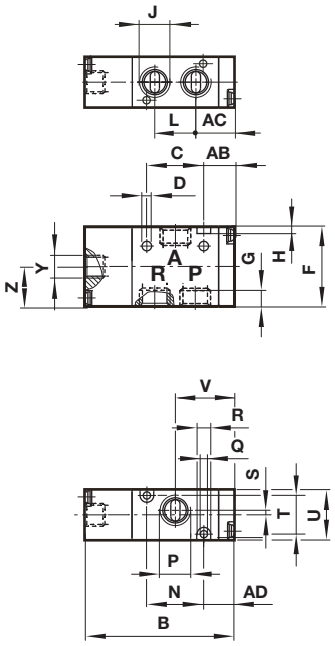
(12)



3/2 Single air pilot valve, 1/4"... 1/2" ports
Spring return

Dimensions in mm
Projection/First angle

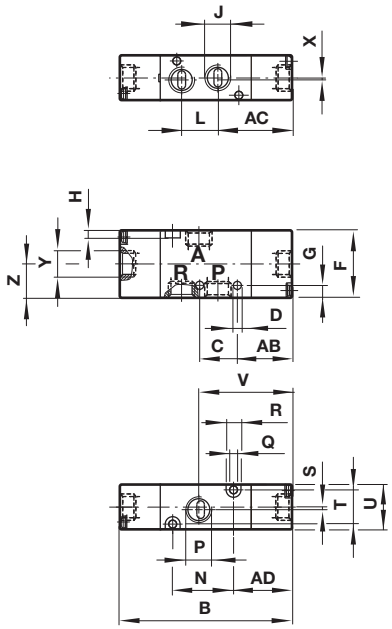
(13)



Series	Drawing	AB	AC	AD	B	C	D	F	G	H	J	L	N	P	Q	R	S	T	U	V	X	Y	Z
V50	12	13,5	21,5	15,5	61,5	15	3,2	27	5	3	1/8"	14,5	23	1/8"	3,2	6	1	13	18	29,5	0,5	1/8"	13,5
V51	13	13,5	17	13,5	65,5	25	4,2	35	8,5	3	1/4"	18	25	1/4"	3,2	6	2	17	22,5	26	–	1/8"	17,5
V52	13	13	26	15	87	26	4,5	46,5	39,5	4	3/8"	26	41	3/8"	4,5	8	–	23	30	41	–	1/8"	17
V53	13	12,5	27	15	94	29	4,5	46,5	39,5	4	1/2"	29	48	1/2"	4,2	8	2,5	23	30	40,5	–	1/8"	17

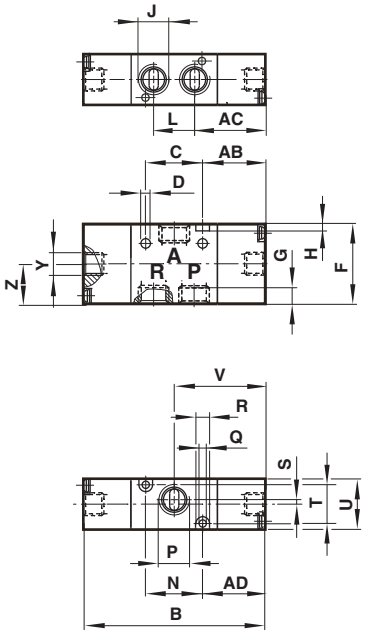
3/2 Double air pilot valve, 1/8" port

(14)



3/2 Double air pilot valve, 1/4"... 1/2" ports

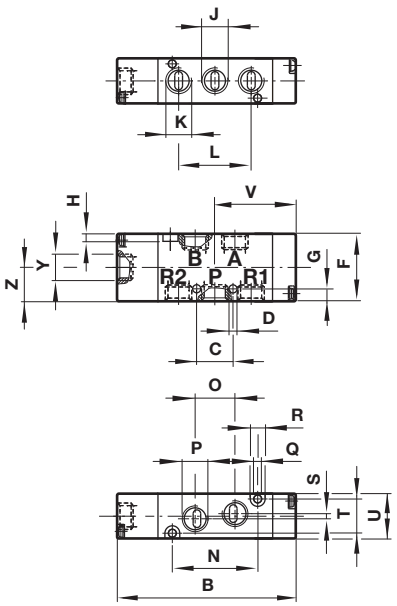
(15)



Series	Drawing	AB	AC	AD	B	C	D	F	G	H	J	L	N	P	Q	R	S	T	U	V	X	Y	Z
V50	14	13,5	21,5	15,5	69	15	3,2	27	5	3	1/8"	14,5	23	1/8"	3,2	6	1	13	18	29,5	0,5	1/8"	13,5
V51	15	13,5	17	13,5	79	25	4,2	35	8,5	3	1/4"	18	25	1/4"	3,2	6	2	17	22,5	26	–	1/8"	17,5
V52	15	13	26	15	103	26	4,5	46,5	39,5	4	3/8"	26	41	3/8"	4,5	8	–	23	30	41	–	1/8"	17
V53	15	12,5	27	15	110	29	4,5	46,5	39,5	4	1/2"	29	48	1/2"	4,2	8	2,5	23	30	40,5	–	1/8"	17

5/2 Single air pilot valve, 1/8" port
Air spring return

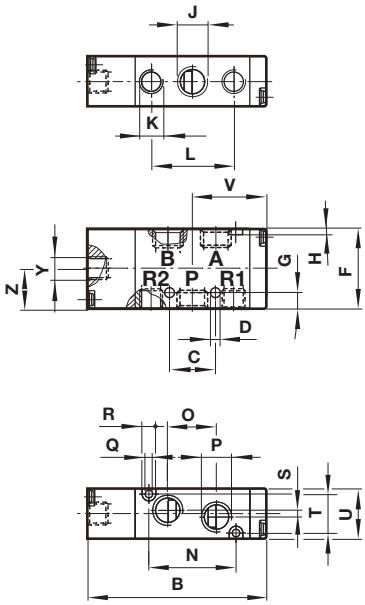
16



5/2 Single air pilot valve, 1/4"... 1/2" ports
Spring return

Dimensions in mm
Projection/First angle

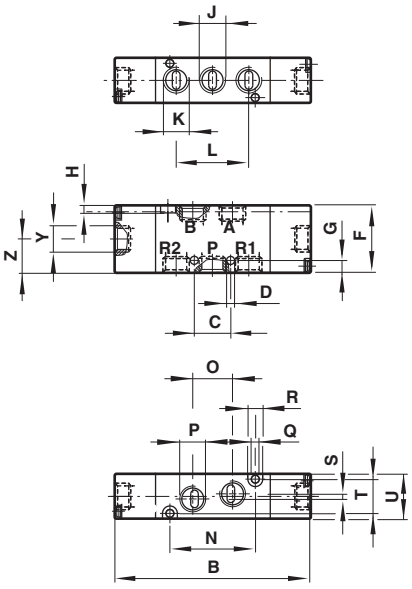
17



Series	Drawing	B	C	D	F	G	H	J	K	L	N	L	O	P	Q	R	S	T	U	V	Y	Z	Z
V50	16	72,5	14,5	3,2	27	5	3	1/8"	1/8"	29	34	14,5	16	1/8"	3,2	6	2	13	18	32,5	1/8"	13,5	13,5
V51	17	77,5	20	4,2	35	7	3	1/4"	1/8"	36	38	18	21	1/4"	3,2	6	3	17	22,5	32	1/8"	17,5	17,5
V52	17	106	26	5,5	46,5	4,5	4	3/8"	3/8"	52	13	26	30	3/8"	4,5	8	–	23	30	45	1/8"	17	17
V53	17	118	29	4,5	46,5	7	4	1/2"	1/2"	58	72	29	28	1/2"	4,2	8	4,5	23	30	51	1/8"	17	17

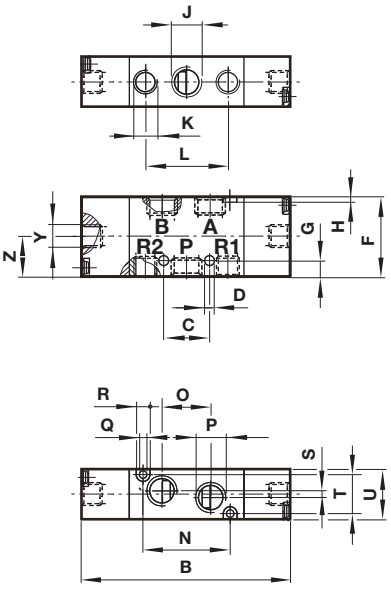
5/2 Double air pilot valve, 1/8" port

18



5/2 Double air pilot valve, 1/4"... 1/2" ports

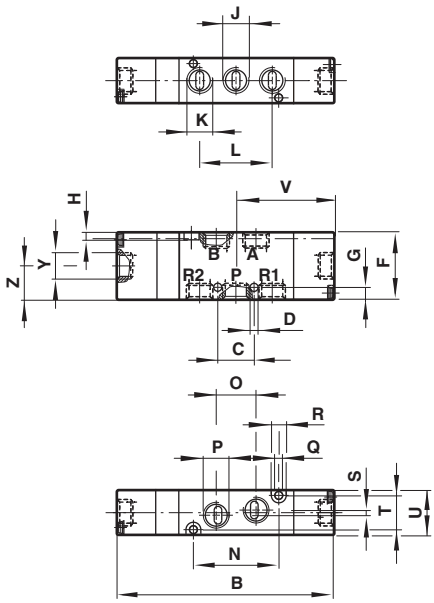
19



Series	Drawing	B	C	D	F	G	H	J	K	L	N	O	P	Q	R	S	T	U	Y	Z
V50	18	80	14,5	3,2	27	5	3	1/8"	1/8"	29	34	16	1/8"	3,2	6	2	13	18	1/8"	13,5
V51	19	91	20	4,2	35	7	3	1/4"	1/8"	36	38	21	1/4"	3,2	6	3	17	22,5	1/8"	17,5
V52	19	122	26	5,5	46,5	4,5	4	3/8"	3/8"	52	13	30	3/8"	4,5	8	–	23	30	1/8"	17
V53	19	134	29	4,5	46,5	7	4	1/2"	1/2"	58	72	28	1/2"	4,2	8	4,5	23	30	1/8"	17

5/3 Double air pilot valve, 1/8" port

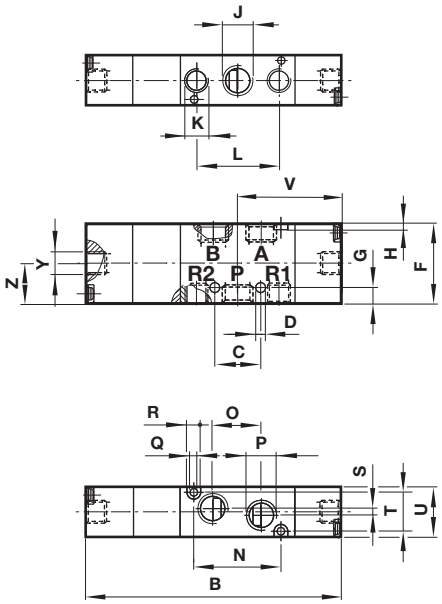
20



5/3 Double air pilot valve, 1/4" port

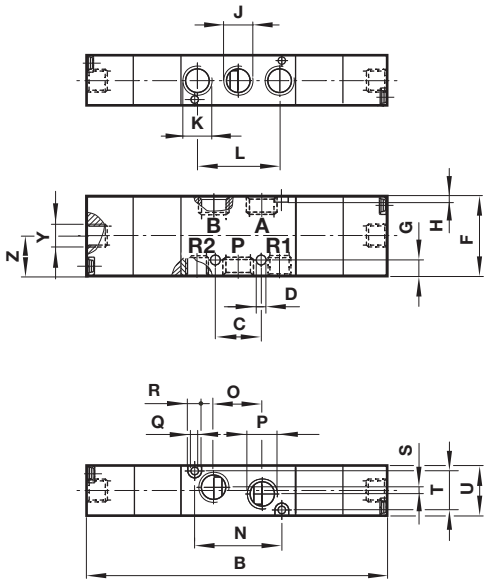
Dimensions in mm
Projection/First angle

21



5/3 Double air pilot valve, 3/8"and 1/2" ports

22

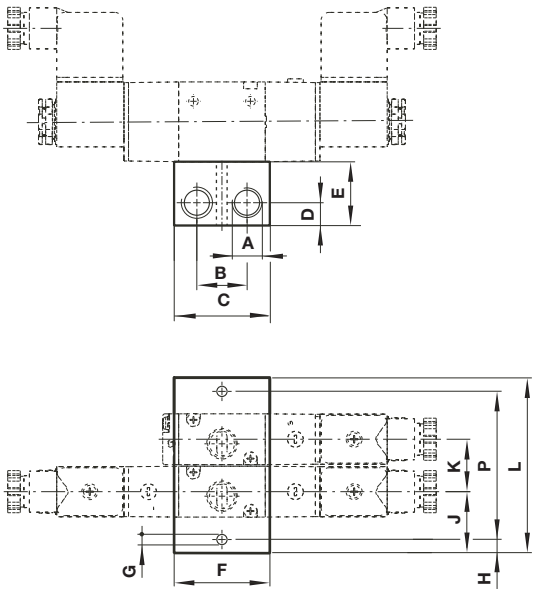


Series	Drawing	B	C	D	F	G	H	J	K	L	N	O	P	Q	R	S	T	U	V	Y	Z
V50	20	89	14,5	3,2	27	5	3	1/8	1/8"	29	34	16	1/8"	3,2	6	2	13	18	40	1/8"	13,5
V51	21	112	20	4,2	35	7	3	1/4	1/8"	36	38	21	1/4"	3,2	6	3	17	22,5	45,5	1/8"	17,5
V52	22	175,5	26	5,5	46,5	4,5	4	3/8	3/8"	52	13	30	3/8"	4,5	8	–	23	30	87,5	1/8"	17
V53	22	187,5	29	4,5	46,5	7	4	1/2	1/2"	58	72	28	1/2"	4,2	8	4,5	23	30	93,5	1/8"	17

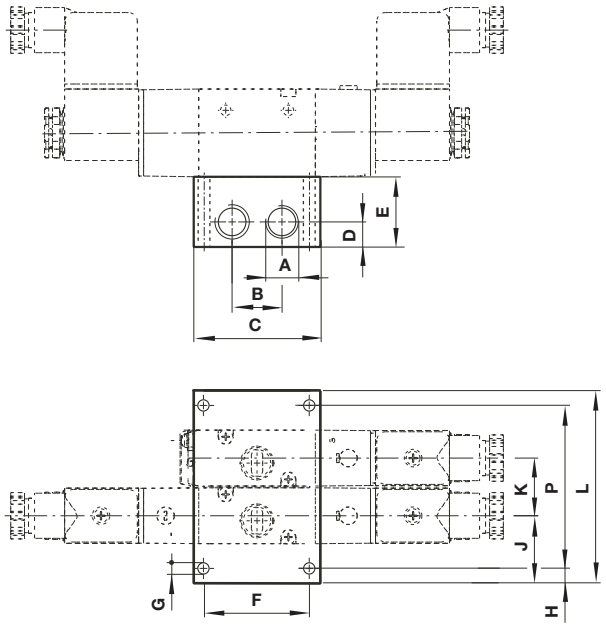
Manifold system, 3/2 valves

for V50 and V51

Dimensions in mm
Projection/First angle



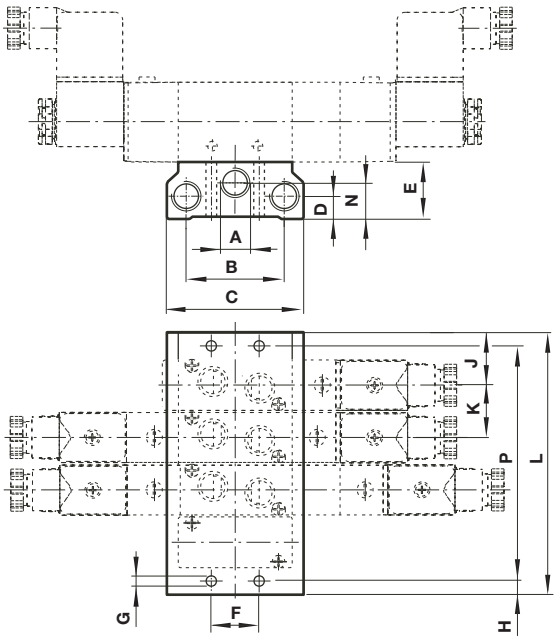
for V52 and V53



Series	A	B	C	D	E	Ø G	H	J	K	L	P	Weight (kg)
V50	1/4"	22	42	10	28	4,5	5	19	19	19 + (N x 19)	9 + (N x 19)	0,05 + (N x 0,05)
V51	1/4"	22	42	10	28	4,5	6	27	23	31 + (N x 23)	19 + (N x 23)	0,08 + (N x 0,06)
V52	3/8"	26	66	11,5	27	4,5	5	25	31	19 + (N x 31)	9 + (N x 31)	0,06 + (N x 0,11)
V53	1/2"	30	72	15	32	4,5	5	25	31	19 + (N x 31)	9 + (N x 31)	0,07 + (N x 0,14)

N = Number of stations 2 ... 10

Manifold system, 5/2 and 5/3 valves

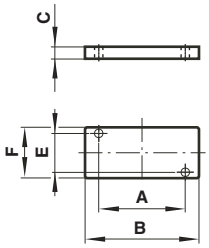


Series	A	B	C	D	E	F	Ø G	H	J	K	L	P	Weight (kg)
V50	1/4"	40	58	11	25	20	4,5	5	19	19	19 + (N x 19)	9 + (N x 19)	0,04 + (N x 0,04)
V51	1/4"	43	60	10	25	21	4,5	6	23	23	23 + (N x 23)	11 + (N x 23)	0,07 + (N x 0,06)
V52	3/8"	61	84	12	27	30	4,5	5	25	31	19 + (N x 31)	9 + (N x 31)	0,06 + (N x 0,09)
V53	1/2"	58	96	13	30	30	4,5	5	25	31	19 + (N x 31)	9 + (N x 31)	0,08 + (N x 0,15)

N = Number of stations 2 ... 10

Blanking plate

Dimensions in mm
Projection/First angle



For Function	Valve port size	A	B	C	E	F	Weight (kg)	Model
3/2	1/8	23	35	2	13	18	0,01	V500351
3/2	1/4	25	38	2	17	22,5	0,02	V510351
3/2	3/8	41	55	2	23	30	0,03	V520351
3/2	1/2	48	62	2	23	30	0,06	V530351
5/2	1/8	34	43	2	13	18	0,01	V500551
5/2	1/4	38	50	2	17	22,5	0,02	V510551
5/2	3/8	13	74	2	23	30	0,03	V520551
5/2	1/2	72	86	2	23	30,5	0,08	V530551

Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under **»Technical features/ data«**.
Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult Norgren.
Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.
System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.
System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.

Sub-base mounted, ISO 5599-1 sizes 1, 2 or 3

Specially coated glandless spool and sleeve for long trouble-free life

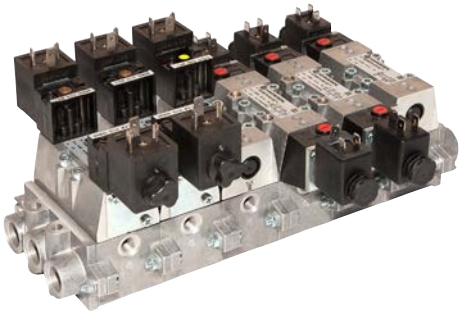
Integral flow regulators available on ISO 1 and 2 sizes for cylinder speed control

Low power solenoids feature

Manual override as standard

Impulse actuated bistable valve with detent mechanism

Wide range of sub-bases and accessories



Technical features

Medium:
Compressed air, 40 µm filtered, lubricated or non-lubricated
Operation:
Glandless spool valve, solenoid pilot or air pilot actuated
Mounting:
On sub-bases
Sizes:
ISO 1, 2 and 3

Maximum operating pressure:
Solenoid valves; 10 (145 psi) or 16 bar (232 psi)
depending on solenoid pilot operator
Air pilot operated valves; 16 bar (232 psi)
Refer to technical specification table for details

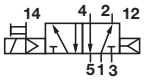
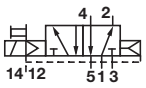
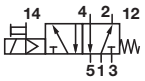
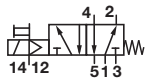
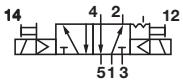
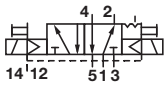
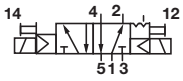
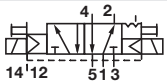
Ambient/Media temperature:
Solenoid pilot actuated valves
-15 ... +50°C (+5 ... 122°F)
Air pilot actuated valves
-15 ... +80°C (+5 ... 176°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Materials:
Body: die-cast aluminium
Spool & sleeve: hard anodised aluminium with special PTFE coating
Seals: NBR
Locking plate: die-cast zinc or steel blue zinc coated
Screws: steel, blue zinc coated
Plastic parts: POM
Flow regulators: brass

Electrical details for solenoid operators

Voltage tolerance	± 10%		
Rating	100% continuous duty		
Inlet orifice	1,0 mm		
Electrical connection (corresponding to choosen coil)	EN 175301-803 - Form A, 30 mm		
	EN 175301-803 - Form B, 22 mm		
	Industrial Standard, 22 mm		
Solenoid coil mounting	Four positions x 90°		
Manual override	End solenoid models	Push and turn to lock (plastic)	# = 0
		Push only (plastic)	# = 1
	CNOMO solenoid models	Push and turn to lock (plastic)	# = 0
		Push only (brass)	# = 1
Protection class	IP 65 (with sealed plug)		

5/2 Solenoid pilot actuated valves - 10 bar solenoid pilot pressure

Symbol	ISO size	Flow regulator	Actuation	Pilot supply	Flow (l/min)	Operating pressure (bar)	Pilot pressure (bar)	Weight (kg)	Drawing No.	Model End solenoid actuated valves	CNOMO solenoid actuated valves
	1	—	Solenoid/air spring	Internal	1230	1 ... 10	—	0,33	1 & 3	SXE9573-A70-0#-*1)	SXE9573-Z70-6#-*1)
	2	—	Solenoid/air spring	Internal	2450	1 ... 10	—	0,59	1 & 3	SXE9574-A70-0#-*1)	SXE9574-Z70-6#-*1)
	3	—	Solenoid/air spring	Internal	4400	1 ... 10	—	0,85	1 & 3	SXE9575-A70-0#-*1)	SXE9575-Z70-6#-*1)
	1	Built-in	Solenoid/air spring	Internal	1230	1 ... 10	—	0,33	1 & 3	SXE9573-A80-0#-*1)	SXE9573-Z80-6#-*1)
	2	Built-in	Solenoid/air spring	Internal	2450	1 ... 10	—	0,59	1 & 3	SXE9574-A80-0#-*1)	SXE9574-Z80-6#-*1)
	1	—	Solenoid/air spring	External *3)	1230	-0,9 ... 16	1 ... 10	0,33	1 & 3	SXE9573-A75-0#-*1)	SXE9573-Z75-6#-*1)
	1	Built-in	Solenoid/air spring	External *3)	1230	-0,9 ... 16	1 ... 10	0,33	1 & 3	SXE9573-A85-0#-*1)	SXE9573-Z85-6#-*1)
	2	—	Solenoid/air spring	External *3)	2450	-0,9 ... 16	1 ... 10	0,59	1 & 3	SXE9574-A75-0#-*1)	SXE9574-Z75-6#-*1)
	3	—	Solenoid/air spring	External *3)	4400	-0,9 ... 16	1 ... 10	0,85	1 & 3	SXE9575-A75-0#-*1)	SXE9575-Z75-6#-*1)
	2	Built-in	Solenoid/air spring	External *3)	2450	-0,9 ... 16	1 ... 10	0,59	1 & 3	SXE9574-A85-0#-*1)	SXE9574-Z85-6#-*1)
	1	—	Solenoid/spring	Internal	1230	1,8 ... 10	—	0,33	1 & 3	SXE9573-A71-0#-*1)	SXE9573-Z71-6#-*1)
	2	—	Solenoid/spring	Internal	2450	1,8 ... 10	—	0,59	1 & 3	SXE9574-A71-0#-*1)	SXE9574-Z71-6#-*1)
	3	—	Solenoid/spring	Internal	4400	1,8 ... 10	—	0,85	1 & 3	SXE9575-A71-0#-*1)	SXE9575-Z71-6#-*1)
	1	Built-in	Solenoid/spring	Internal	1230	1,8 ... 10	—	0,33	1 & 3	SXE9573-A81-0#-*1)	SXE9573-Z81-6#-*1)
	2	Built-in	Solenoid/spring	Internal	2450	1,8 ... 10	—	0,59	1 & 3	SXE9574-A81-0#-*1)	SXE9574-Z81-6#-*1)
	1	—	Solenoid/spring	External *3)	1230	-0,9 ... 16	1,8 ... 10	0,33	1 & 3	SXE9573-A76-0#-*1)	SXE9573-Z76-6#-*1)
	2	—	Solenoid/spring	External *3)	2450	-0,9 ... 16	1,8 ... 10	0,59	1 & 3	SXE9574-A76-0#-*1)	SXE9574-Z76-6#-*1)
	3	—	Solenoid/spring	External *3)	4400	-0,9 ... 16	1,8 ... 10	0,85	1 & 3	SXE9575-A76-0#-*1)	SXE9575-Z76-6#-*1)
	1	Built-in	Solenoid/spring	External *3)	1230	-0,9 ... 16	1,8 ... 10	0,33	1 & 3	SXE9573-A86-0#-*1)	SXE9573-Z86-6#-*1)
	2	Built-in	Solenoid/spring	External *3)	2450	-0,9 ... 16	1,8 ... 10	0,59	1 & 3	SXE9574-A86-0#-*1)	SXE9574-Z86-6#-*1)
	1	—	Solenoid/solenoid	Internal	1230	2 ... 10	—	0,45	2 & 4	SXE0573-A50-0#-*1)	SXE0573-Z50-6#-*1)
	2	—	Solenoid/solenoid	Internal	2450	2 ... 10	—	0,72	2 & 4	SXE0574-A50-0#-*1)	SXE0574-Z50-6#-*1)
	3	—	Solenoid/solenoid	Internal	4400	2 ... 10	—	0,96	2 & 4	SXE0575-A50-0#-*1)	SXE0575-Z50-6#-*1)
	1	Built-in	Solenoid/solenoid	Internal	1230	2 ... 10	—	0,45	2 & 4	SXE0573-A60-0#-*1)	SXE0573-Z60-6#-*1)
	2	Built-in	Solenoid/solenoid	Internal	2450	2 ... 10	—	0,72	2 & 4	SXE0574-A60-0#-*1)	SXE0574-Z60-6#-*1)
	1	—	Solenoid/solenoid	External *3)	1230	-0,9 ... 16	2 ... 10	0,45	2 & 4	SXE0573-A55-0#-*1)	SXE0573-Z55-6#-*1)
	2	—	Solenoid/solenoid	External *3)	2450	-0,9 ... 16	2 ... 10	0,72	2 & 4	SXE0574-A55-0#-*1)	SXE0574-Z55-6#-*1)
	3	—	Solenoid/solenoid	External *3)	4400	-0,9 ... 16	2 ... 10	0,96	2 & 4	SXE0575-A55-0#-*1)	SXE0575-Z55-6#-*1)
	1	Built-in	Solenoid/solenoid	External *3)	1230	-0,9 ... 16	2 ... 10	0,45	2 & 4	SXE0573-A65-0#-*1)	SXE0573-Z65-6#-*1)
	2	Built-in	Solenoid/solenoid	External *3)	2450	-0,9 ... 16	2 ... 10	0,72	2 & 4	SXE0574-A65-0#-*1)	SXE0574-Z65-6#-*1)
	1	—	Solenoid/solenoid *2)	Internal	1230	2 ... 10	—	0,45	2 & 4	—	SXE1573-Z50-6#-*1)
	2	—	Solenoid/solenoid *2)	Internal	2450	2 ... 10	—	0,72	2 & 4	—	SXE1574-Z50-6#-*1)
	3	—	Solenoid/solenoid *2)	Internal	4400	2 ... 10	—	0,96	2 & 4	—	SXE1575-Z50-6#-*1)
	1	—	Solenoid/solenoid *2)	External *3)	1230	-0,9 ... 16	2 ... 10	0,45	2 & 4	—	SXE1573-Z55-6#-*1)
	2	—	Solenoid/solenoid *2)	External *3)	2450	-0,9 ... 16	2 ... 10	0,72	2 & 4	—	SXE1574-Z55-6#-*1)
	3	—	Solenoid/solenoid *2)	External *3)	4400	-0,9 ... 16	2 ... 10	0,96	2 & 4	—	SXE1575-Z55-6#-*1)

Insert code for manual override: 0 = push and turn (standard - End solenoid), 1 = push only
*1) Insert voltage code from tables below or without coil; SXE**7*-A**-00K (end solenoid) or SXE**7*-Z**-6*K (CNOMO solenoid)
*2) Pilot side 14 priority
*3) External pilot supply for ISO1 at port 14 only; ISO2 and ISO3 at port 12 or 14 (unconnected port 12 or 14 has to be plugged).

Voltage codes and spare coils for 10 bar models (End & CNOMO solenoid operator)

22 mm coil for connector interface acc. to industrial standard

Voltage	Power Inrush/Hold	Model	Code
12 V d.c.	2 W	QM/48/12J/21	12J
24 V d.c	2 W	QM/48/13J/21	13J
24 V 50/60 Hz	4/2,5 VA	QM/48/14J/21	14J
48 V 50/60 Hz	4/2,5 VA	QM/48/16J/21	16J
110/120 V 50/60 Hz	4/2,5 VA	QM/48/18J/21	18J
220/240 V 50/60 Hz	6/5,0 VA	QM/48/19J/21	19J

22 mm coil for connector interface acc. EN 175 301-803, form B

Voltage	Power Inrush/Hold	Model	Code
12 V d.c.	2 W	V10626-A12L	12L
24 V d.c	2 W	V10626-A13L	13L
24 V 50/60 Hz	4/2,5 VA	V10626-A14L	14L
48 V 50/60 Hz	4/2,5 VA	V10626-A16L	16L
110/120 V 50/60 Hz	4/2,5 VA	V10626-A18L	18L
220/240 V 50/60 Hz	6/5,0 VA	V10626-A19L	19L

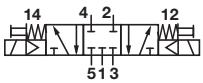
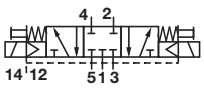
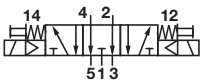
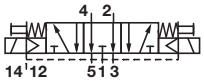
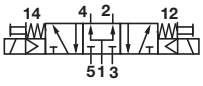
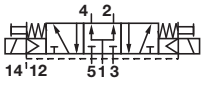
30 mm coil for connector interface acc. EN 175 301-803, form A

Voltage	Power Inrush/Hold	Model	Code
12 V d.c.	1,5 W	V10633-A22N	22N
24 V d.c	1,5 W	V10633-A23N	23N
24 V 50/60 Hz	3/2 VA	V10633-A24N	24N
48 V 50/60 Hz	3/2 VA	V10633-A26N	26N
110/120 V 50/60 Hz	3/2 VA	V10633-A28N	28N
220/240 V 50/60 Hz	3/2 VA	V10633-A29N	29N

Connector plugs - ordered separately

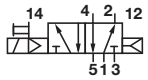
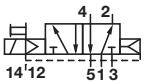
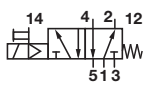
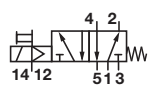
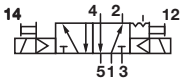
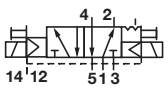
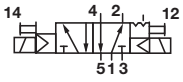
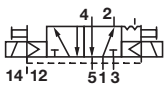
Industrial standard 22 mm 2-pole + PE	22 mm, EN 175301-803 (DIN 43650 B) Form B 2-pole + PE	30 mm, EN 175301-803 (DIN 43650 B) Form A 2-pole + PE
		
0657868	0680003	0570275

5/3 Solenoid pilot actuated valves - 10 bar solenoid pilot pressure

Symbol	ISO size	Flow regulator	Actuation	Function	Pilot supply	Flow (l/min)	Operating pressure (bar)	Pilot pressure (bar)	Weight (kg)	Drawing No.	Model End solenoid actuated valves	CNOMO solenoid actuated valves
	1	–	Solenoid/solenoid	APB	Internal	1320	2 ... 10	—	0,45	2 & 4	SXE9673-A50-0#-*1)	SXE9673-Z50-6#-*1)
	2	–	Solenoid/solenoid	APB	Internal	2520	2 ... 10	—	0,72	2 & 4	SXE9674-A50-0#-*1)	SXE9674-Z50-6#-*1)
	3	–	Solenoid/solenoid	APB	Internal	4650	2 ... 10	—	0,96	2 & 4	SXE9675-A50-0#-*1)	SXE9675-Z50-6#-*1)
	1	Built-in	Solenoid/solenoid	APB	Internal	1320	2 ... 10	—	0,45	2 & 4	SXE9673-A60-0#-*1)	SXE9673-Z60-6#-*1)
	2	Built-in	Solenoid/solenoid	APB	Internal	2520	2 ... 10	—	0,72	2 & 4	SXE9674-A60-0#-*1)	SXE9674-Z60-6#-*1)
	1	–	Solenoid/solenoid	APB	External *3)	1320	-0,9 ... 16	2 ... 10	0,45	2 & 4	SXE9673-A55-0#-*1)	SXE9673-Z55-6#-*1)
	2	–	Solenoid/solenoid	APB	External *3)	2520	-0,9 ... 16	2 ... 10	0,72	2 & 4	SXE9674-A55-0#-*1)	SXE9674-Z55-6#-*1)
	3	–	Solenoid/solenoid	APB	External *3)	4650	-0,9 ... 16	2 ... 10	0,96	2 & 4	SXE9675-A55-0#-*1)	SXE9675-Z55-6#-*1)
	1	Built-in	Solenoid/solenoid	APB	External *3)	1320	-0,9 ... 16	2 ... 10	0,45	2 & 4	SXE9673-A65-0#-*1)	SXE9673-Z65-6#-*1)
	2	Built-in	Solenoid/solenoid	APB	External *3)	2520	-0,9 ... 16	2 ... 10	0,72	2 & 4	SXE9674-A65-0#-*1)	SXE9674-Z65-6#-*1)
	1	–	Solenoid/solenoid	COE	Internal	1320	2 ... 10	—	0,45	2 & 4	SXE9773-A50-0#-*1)	SXE9773-Z50-6#-*1)
	2	–	Solenoid/solenoid	COE	Internal	2520	2 ... 10	—	0,72	2 & 4	SXE9774-A50-0#-*1)	SXE9774-Z50-6#-*1)
	3	–	Solenoid/solenoid	COE	Internal	4650	2 ... 10	—	0,96	2 & 4	SXE9775-A50-0#-*1)	SXE9775-Z50-6#-*1)
	1	Built-in	Solenoid/solenoid	COE	Internal	1320	2 ... 10	—	0,45	2 & 4	SXE9773-A60-0#-*1)	SXE9773-Z60-6#-*1)
	2	Built-in	Solenoid/solenoid	COE	Internal	2520	2 ... 10	—	0,72	2 & 4	SXE9774-A60-0#-*1)	SXE9774-Z60-6#-*1)
	1	–	Solenoid/solenoid	COE	External *3)	1320	-0,9 ... 16	2 ... 10	0,45	2 & 4	SXE9773-A55-0#-*1)	SXE9773-Z55-6#-*1)
	2	–	Solenoid/solenoid	COE	External *3)	2520	-0,9 ... 16	2 ... 10	0,72	2 & 4	SXE9774-A55-0#-*1)	SXE9774-Z55-6#-*1)
	3	–	Solenoid/solenoid	COE	External *3)	4650	-0,9 ... 16	2 ... 10	0,96	2 & 4	SXE9775-A55-0#-*1)	SXE9775-Z55-6#-*1)
	1	Built-in	Solenoid/solenoid	COE	External *3)	1320	-0,9 ... 16	2 ... 10	0,45	2 & 4	SXE9673-A65-0#-*1)	SXE9773-Z65-6#-*1)
	2	Built-in	Solenoid/solenoid	COE	External *3)	2520	-0,9 ... 16	2 ... 10	0,72	2 & 4	SXE9674-A65-0#-*1)	SXE9774-Z65-6#-*1)
	1	–	Solenoid/solenoid	COP	Internal	1320	2 ... 10	—	0,45	2 & 4	SXE9873-A50-0#-*1)	SXE9873-Z50-6#-*1)
	2	–	Solenoid/solenoid	COP	Internal	2520	2 ... 10	—	0,72	2 & 4	SXE9874-A50-0#-*1)	SXE9874-Z50-6#-*1)
	3	–	Solenoid/solenoid	COP	Internal	4650	2 ... 10	—	0,96	2 & 4	SXE9875-A50-0#-*1)	SXE9875-Z50-6#-*1)
	1	Built-in	Solenoid/solenoid	COP	Internal	1320	2 ... 10	—	0,45	2 & 4	SXE9873-A60-0#-*1)	SXE9873-Z60-6#-*1)
	2	Built-in	Solenoid/solenoid	COP	Internal	2520	2 ... 10	—	0,72	2 & 4	SXE9874-A60-0#-*1)	SXE9874-Z60-6#-*1)
	1	–	Solenoid/solenoid	COP	External *3)	1320	-0,9 ... 16	2 ... 10	0,45	2 & 4	SXE9873-A55-0#-*1)	SXE9873-Z55-6#-*1)
	2	–	Solenoid/solenoid	COP	External *3)	2520	-0,9 ... 16	2 ... 10	0,72	2 & 4	SXE9874-A55-0#-*1)	SXE9874-Z55-6#-*1)
	3	–	Solenoid/solenoid	COP	External *3)	4650	-0,9 ... 16	2 ... 10	0,96	2 & 4	SXE9875-A55-0#-*1)	SXE9875-Z55-6#-*1)
	1	Built-in	Solenoid/solenoid	COP	External *3)	1320	-0,9 ... 16	2 ... 10	0,45	2 & 4	SXE9873-A65-0#-*1)	SXE9873-Z65-6#-*1)
	2	Built-in	Solenoid/solenoid	COP	External *3)	2520	-0,9 ... 16	2 ... 10	0,72	2 & 4	SXE9874-A65-0#-*1)	SXE9874-Z65-6#-*1)

Insert code for manual override: 0 = push and turn (standard - End solenoid), 1 = push only
*1) Insert voltage code from tables below or without coil; SXE**7*-A**-00K (end solenoid) or SXE**7*-Z**-6*K (CNOMO solenoid)
*3) External pilot supply for ISO1 at port 14 only; ISO2 and ISO3 at port 12 or 14 (unconnected port 12 or 14 has to be plugged).
Valve function: APB = All Ports Blocked
COE = Centre Open Exhaust
COP = Centre Open Pressure

5/2 Solenoid pilot actuated valves – 16 bar solenoid solenoid pilot pressure

Symbol	ISO size	Flow regulator	Actuation	Pilot supply	Flow (l/min)	Operating pressure (bar)	Pilot pressure (bar)	Weight (kg)	Drawing No.	Model CNOMO solenoid actuated valves
	1	—	Solenoid/air spring	Internal	1230	1 ... 16	—	0,33	1 & 3	SXE9573-Z70-8#-*1)
	2	—	Solenoid/air spring	Internal	2450	1 ... 16	—	0,59	1 & 3	SXE9574-Z70-8#-*1)
	3	—	Solenoid/air spring	Internal	4400	1 ... 16	—	0,85	1 & 3	SXE9575-Z70-8#-*1)
	1	Built-in	Solenoid/air spring	Internal	1230	1 ... 16	—	0,33	1 & 3	SXE9573-Z80-8#-*1)
	2	Built-in	Solenoid/air spring	Internal	2450	1 ... 16	—	0,59	1 & 3	SXE9574-Z80-8#-*1)
	1	—	Solenoid/air spring	External *3)	1230	-0,9 ... 16	1 ... 16	0,33	1 & 3	SXE9573-Z75-8#-*1)
	1	Built-in	Solenoid/air spring	External *3)	1230	-0,9 ... 16	1 ... 16	0,33	1 & 3	SXE9573-Z85-8#-*1)
	2	—	Solenoid/air spring	External *3)	2450	-0,9 ... 16	1 ... 16	0,59	1 & 3	SXE9574-Z75-8#-*1)
	3	—	Solenoid/air spring	External *3)	4400	-0,9 ... 16	1 ... 16	0,85	1 & 3	SXE9575-Z75-8#-*1)
	2	Built-in	Solenoid/air spring	External *3)	2450	-0,9 ... 16	1 ... 16	0,59	1 & 3	SXE9574-Z85-8#-*1)
	1	—	Solenoid/spring	Internal	1230	1,8 ... 16	—	0,33	1 & 3	SXE9573-Z71-8#-*1)
	2	—	Solenoid/spring	Internal	2450	1,8 ... 16	—	0,59	1 & 3	SXE9574-Z71-8#-*1)
	3	—	Solenoid/spring	Internal	4400	1,8 ... 16	—	0,85	1 & 3	SXE9575-Z71-8#-*1)
	1	Built-in	Solenoid/spring	Internal	1230	1,8 ... 16	—	0,33	1 & 3	SXE9573-Z81-8#-*1)
	2	Built-in	Solenoid/spring	Internal	2450	1,8 ... 16	—	0,59	1 & 3	SXE9574-Z81-8#-*1)
	1	—	Solenoid/spring	External *3)	1230	-0,9 ... 16	1,8 ... 16	0,33	1 & 3	SXE9573-Z76-8#-*1)
	2	—	Solenoid/spring	External *3)	2450	-0,9 ... 16	1,8 ... 16	0,59	1 & 3	SXE9574-Z76-8#-*1)
	3	—	Solenoid/spring	External *3)	4400	-0,9 ... 16	1,8 ... 16	0,85	1 & 3	SXE9575-Z76-8#-*1)
	1	Built-in	Solenoid/spring	External *3)	1230	-0,9 ... 16	1,8 ... 16	0,33	1 & 3	SXE9573-Z86-8#-*1)
	2	Built-in	Solenoid/spring	External *3)	2450	-0,9 ... 16	1,8 ... 16	0,59	1 & 3	SXE9574-Z86-8#-*1)
	1	—	Solenoid/solenoid	Internal	1230	2 ... 16	—	0,45	2 & 4	SXE0573-Z50-8#-*1)
	2	—	Solenoid/solenoid	Internal	2450	2 ... 16	—	0,72	2 & 4	SXE0574-Z50-8#-*1)
	3	—	Solenoid/solenoid	Internal	4400	2 ... 16	—	0,96	2 & 4	SXE0575-Z50-8#-*1)
	1	Built-in	Solenoid/solenoid	Internal	1230	2 ... 16	—	0,45	2 & 4	SXE0573-Z60-8#-*1)
	2	Built-in	Solenoid/solenoid	Internal	2450	2 ... 16	—	0,72	2 & 4	SXE0574-Z60-8#-*1)
	1	—	Solenoid/solenoid	External *3)	1230	-0,9 ... 16	2 ... 16	0,45	2 & 4	SXE0573-Z55-8#-*1)
	2	—	Solenoid/solenoid	External *3)	2450	-0,9 ... 16	2 ... 16	0,72	2 & 4	SXE0574-Z55-8#-*1)
	3	—	Solenoid/solenoid	External *3)	4400	-0,9 ... 16	2 ... 16	0,96	2 & 4	SXE0575-Z55-8#-*1)
	1	Built-in	Solenoid/solenoid	External *3)	1230	-0,9 ... 16	2 ... 16	0,45	2 & 4	SXE0573-Z65-8#-*1)
	2	Built-in	Solenoid/solenoid	External *3)	2450	-0,9 ... 16	2 ... 16	0,72	2 & 4	SXE0574-Z65-8#-*1)
	1	—	Solenoid/solenoid *2)	Internal	1230	2 ... 16	—	0,45	2 & 4	SXE1573-Z50-8#-*1)
	2	—	Solenoid/solenoid *2)	Internal	2450	2 ... 16	—	0,72	2 & 4	SXE1574-Z50-8#-*1)
	3	—	Solenoid/solenoid *2)	Internal	4400	2 ... 16	—	0,96	2 & 4	SXE1575-Z50-8#-*1)
	1	—	Solenoid/solenoid *2)	External *3)	1230	-0,9 ... 16	2 ... 16	0,45	2 & 4	SXE1573-Z55-8#-*1)
	2	—	Solenoid/solenoid *2)	External *3)	2450	-0,9 ... 16	2 ... 16	0,72	2 & 4	SXE1574-Z55-8#-*1)
	3	—	Solenoid/solenoid *2)	External *3)	4400	-0,9 ... 16	2 ... 16	0,96	2 & 4	SXE1575-Z55-8#-*1)

Insert code for manual override: 0 = push and turn, 1 = push only
*1) Insert voltage code from tables below or without coil; SXE**7*-Z**-8*K
*2) Pilot side 14 priority
*3) External pilot supply for ISO1 at port 14 only; ISO2 and ISO3 at port 12 or 14 (unconnected port 12 or 14 has to be plugged).

Voltage codes and spare coils for 16 bar models

30 mm coil for connector interface acc. acc. EN 175 301-803, form A

Voltage	Power Inrush/Hold	Model	Code
12 V d.c.	4 W	V10633-A32N	32N
24 V d.c.	4 W	V10633-A33N	33N
110 V d.c.	4 W	V10633-A37N	37N
24 V a.c.	10/8 VA	V10633-A84N	84N
110/120 V 50/60 Hz	10/8 VA	V10633-A88N	88N
220/240 V 50/60 Hz	10/8 VA	V10633-A89N	89N

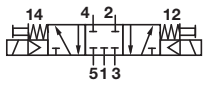
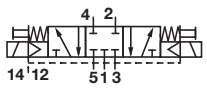
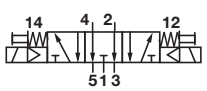
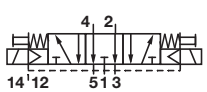
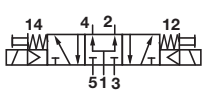
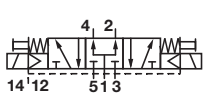
Other Voltages available on request.

Connector plug - ordered separately

30 mm, EN 175301-803 (DIN 43650 B) Form A 2-pole + PE

0570275

5/3 Solenoid pilot actuated valves – 16 bar solenoid solenoid pilot pressure

Symbol	ISO size	Flow regulator	Actuation	Function	Pilot supply	Flow (l/min)	Operating pressure (bar)	Pilot pressure (bar)	Weight (kg)	Drawing No.	Model CNOMO solenoid actuated valves
	1	–	Solenoid/solenoid	APB	Internal	1320	2 ... 16	—	0,45	2 & 4	SXE9673-Z50-8#-*1)
	2	–	Solenoid/solenoid	APB	Internal	2520	2 ... 16	—	0,72	2 & 4	SXE9674-Z50-8#-*1)
	3	–	Solenoid/solenoid	APB	Internal	4650	2 ... 16	—	0,96	2 & 4	SXE9675-Z50-8#-*1)
	1	Built-in	Solenoid/solenoid	APB	Internal	1320	2 ... 16	—	0,45	2 & 4	SXE9673-Z60-8#-*1)
	2	Built-in	Solenoid/solenoid	APB	Internal	2520	2 ... 16	—	0,72	2 & 4	SXE9674-Z60-8#-*1)
	1	–	Solenoid/solenoid	APB	External *3)	1320	-0,9 ... 16	2 ... 16	0,45	2 & 4	SXE9673-Z55-8#-*1)
	2	–	Solenoid/solenoid	APB	External *3)	2520	-0,9 ... 16	2 ... 16	0,72	2 & 4	SXE9674-Z55-8#-*1)
	3	–	Solenoid/solenoid	APB	External *3)	4650	-0,9 ... 16	2 ... 16	0,96	2 & 4	SXE9675-Z55-8#-*1)
	1	Built-in	Solenoid/solenoid	APB	External *3)	1320	-0,9 ... 16	2 ... 16	0,45	2 & 4	SXE9673-Z65-8#-*1)
	2	Built-in	Solenoid/solenoid	APB	External *3)	2520	-0,9 ... 16	2 ... 16	0,72	2 & 4	SXE9674-Z65-8#-*1)
	1	–	Solenoid/solenoid	COE	Internal	1320	2 ... 16	—	0,45	2 & 4	SXE9773-Z50-8#-*1)
	2	–	Solenoid/solenoid	COE	Internal	2520	2 ... 16	—	0,72	2 & 4	SXE9774-Z50-8#-*1)
	3	–	Solenoid/solenoid	COE	Internal	4650	2 ... 16	—	0,96	2 & 4	SXE9775-Z50-8#-*1)
	1	Built-in	Solenoid/solenoid	COE	Internal	1320	2 ... 16	—	0,45	2 & 4	SXE9773-Z60-8#-*1)
	2	Built-in	Solenoid/solenoid	COE	Internal	2520	2 ... 10	—	0,72	2 & 4	SXE9774-Z60-8#-*1)
	1	–	Solenoid/solenoid	COE	External *3)	1320	-0,9 ... 16	2 ... 16	0,45	2 & 4	SXE9773-Z55-8#-*1)
	2	–	Solenoid/solenoid	COE	External *3)	2520	-0,9 ... 16	2 ... 16	0,72	2 & 4	SXE9774-Z55-8#-*1)
	3	–	Solenoid/solenoid	COE	External *3)	4650	-0,9 ... 16	2 ... 16	0,96	2 & 4	SXE9775-Z55-8#-*1)
	1	Built-in	Solenoid/solenoid	COE	External *3)	1320	-0,9 ... 16	2 ... 16	0,45	2 & 4	SXE9773-Z65-8#-*1)
	2	Built-in	Solenoid/solenoid	COE	External *3)	2520	-0,9 ... 16	2 ... 16	0,72	2 & 4	SXE9774-Z65-8#-*1)
	1	–	Solenoid/solenoid	COP	Internal	1320	2 ... 16	—	0,45	2 & 4	SXE9873-Z50-8#-*1)
	2	–	Solenoid/solenoid	COP	Internal	2520	2 ... 16	—	0,72	2 & 4	SXE9874-Z50-8#-*1)
	3	–	Solenoid/solenoid	COP	Internal	4650	2 ... 16	—	0,96	2 & 4	SXE9875-Z50-8#-*1)
	1	Built-in	Solenoid/solenoid	COP	Internal	1320	2 ... 16	—	0,45	2 & 4	SXE9873-Z60-8#-*1)
	2	Built-in	Solenoid/solenoid	COP	Internal	2520	2 ... 16	—	0,72	2 & 4	SXE9874-Z60-8#-*1)
	1	–	Solenoid/solenoid	COP	External *3)	1320	-0,9 ... 16	2 ... 16	0,45	2 & 4	SXE9873-Z55-8#-*1)
	2	–	Solenoid/solenoid	COP	External *3)	2520	-0,9 ... 16	2 ... 16	0,72	2 & 4	SXE9874-Z55-8#-*1)
	3	–	Solenoid/solenoid	COP	External *3)	4650	-0,9 ... 16	2 ... 16	0,96	2 & 4	SXE9875-Z55-8#-*1)
	1	Built-in	Solenoid/solenoid	COP	External *3)	1320	-0,9 ... 16	2 ... 16	0,45	2 & 4	SXE9873-Z65-8#-*1)
	2	Built-in	Solenoid/solenoid	COP	External *3)	2520	-0,9 ... 16	2 ... 16	0,72	2 & 4	SXE9874-Z65-8#-*1)

Insert code for manual override: 0 = push and turn, 1 = push only
*1) Insert voltage code from tables below or without coil; SXE**7*-Z**-8*K
*3) External pilot supply for ISO1 at port 14 only; ISO2 and ISO3 at port 12 or 14 (unconnected port 12 or 14 has to be plugged).
Valve function: APB = All Ports Blocked
COE = Centre Open Exhaust
COP = Centre Open Pressure

Option selector (solenoid actuated valves)

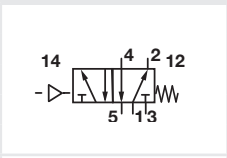
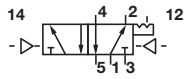
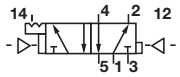
SXE★★7★-★★★-★-★★★

Valve function	Substitute
5/2 solenoid/solenoid, bistable valve	**05**
5/2 solenoid/solenoid, bistable valve with side 14 priority	**15**
5/2 solenoid/spring, monostable valve	**95**
5/3 - APB	**96**
5/3 - COE	**97**
5/3 - COP	**98**
ISO size	**Substitute**
ISO 1	**3**
ISO 2	**4**
ISO 3	**5**
Solenoid position	**Substitute**
End solenoid actuated valves	**A**
CNOMO solenoid actuated valves	**Z**
Integrated flow control	**Substitute**
Without flow regulator (double solenoid)	**5**
With flow regulator (double solenoid)	**6**
Without flow regulator (solenoid & spring)	**7**
With flow regulator (solenoid & spring)	**8**

Voltage code for valve with coil	Substitute
For voltage code see tables on page 2 and 4	
Valve without coil	**Substitute**
Remove dash (-)	**K**
Manual override	**Substitute**
Push and turn to lock (standard - End solenoid)	**0**
Push only	**1**
Operating pressure	**Substitute**
10 bar - end solenoid actuated valves	**0**
10 bar - CNOMO solenoid actuated valves	**6**
16 bar - CNOMO solenoid actuated valves	**8**
Pilot supply	**Substitute**
Internal (double solenoid or single solenoid/air spring)	**0**
Internal (single solenoid valve, mechanical spring)	**1**
External (double solenoid or single solenoid/air spring)	**5**
External (single solenoid valve, mechanical spring)	**6**

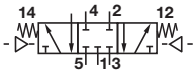
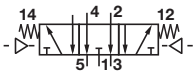
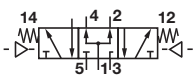
Note; Valves without coil - order coil separately according to voltage tables applicable for the solenoid pilot pressure 10 or 16 bar

5/2 air pilot actuated valves

Symbol	ISO size	Flow regulator	Actuation	Flow (l/min)	Operating pressure (bar)	Pilot pressure (bar)	Weight (kg)	Drawing No.	Model
	1	–	Air/spring	1230	-0,9 ... 16	1,8 ... 16	0,21	5	SXP9573-170-00
	2	–	Air/spring	2450	-0,9 ... 16	1,8 ... 16	0,45	5	SXP9574-170-00
	3	–	Air/spring	4400	-0,9 ... 16	1,8 ... 16	0,72	5	SXP9575-170-00
	1	Built-in	Air/spring	1230	-0,9 ... 16	1,8 ... 16	0,21	5	SXP9573-180-00
	2	Built-in	Air/spring	2450	-0,9 ... 16	1,8 ... 16	0,45	5	SXP9574-180-00
	1	–	Air/air	1230	-0,9 ... 16	2 ... 16	0,30	6	SXP0573-170-00
	2	–	Air/air	2450	-0,9 ... 16	2 ... 16	0,50	6	SXP0574-170-00
	3	–	Air/air	4400	-0,9 ... 16	2 ... 16	0,72	6	SXP0575-170-00
	1	Built-in	Air/air	1230	-0,9 ... 16	2 ... 16	0,30	6	SXP0573-180-00
	2	Built-in	Air/air	2450	-0,9 ... 16	2 ... 16	0,50	6	SXP0574-180-00
	1	–	Air/air *2)	1230	-0,9 ... 16	2 ... 16	0,30	6	SXP1573-170-00
	2	–	Air/air *2)	2450	-0,9 ... 16	2 ... 16	0,50	6	SXP1574-170-00
	3	–	Air/air *2)	4400	-0,9 ... 16	2 ... 16	0,72	6	SXP1575-170-00

*2) Pilot side 14 priority

5/3 air pilot actuated valves

Symbol	ISO size	Flow regulator	Actuation	Function	Flow (l/min)	Operating pressure (bar)	Pilot pressure (bar)	Weight (kg)	Drawing No.	Model
	1	–	Air/air	APB	1230	-0,9 ... 16	1,8 ... 16	0,25	6	SXP9673-170-00
	2	–	Air/air	APB	2450	-0,9 ... 16	1,8 ... 16	0,58	6	SXP9674-170-00
	3	–	Air/air	APB	4400	-0,9 ... 16	1,8 ... 16	0,8	6	SXP9675-170-00
	1	Built-in	Air/air	APB	1230	-0,9 ... 16	1,8 ... 16	0,25	6	SXP9673-180-00
	2	Built-in	Air/air	APB	2450	-0,9 ... 16	1,8 ... 16	0,58	6	SXP9674-180-00
	1	–	Air/air	COE	1230	-0,9 ... 16	2 ... 16	0,25	6	SXP9773-170-00
	2	–	Air/air	COE	2450	-0,9 ... 16	2 ... 16	0,58	6	SXP9774-170-00
	3	–	Air/air	COE	4400	-0,9 ... 16	2 ... 16	0,80	6	SXP9775-170-00
	1	Built-in	Air/air	COE	1230	-0,9 ... 16	2 ... 16	0,25	6	SXP9773-180-00
	2	Built-in	Air/air	COE	2450	-0,9 ... 16	2 ... 16	0,58	6	SXP9774-180-00
	1	–	Air/air	COP	1230	-0,9 ... 16	2 ... 16	0,25	6	SXP9873-170-00
	2	–	Air/air	COP	2450	-0,9 ... 16	2 ... 16	0,58	6	SXP9874-170-00
	3	–	Air/air	COP	4400	-0,9 ... 16	2 ... 16	0,80	6	SXP9875-170-00
	1	Built-in	Air/air	COP	1230	-0,9 ... 16	2 ... 16	0,25	6	SXP9873-180-00
	2	Built-in	Air/air	COP	2450	-0,9 ... 16	2 ... 16	0,58	6	SXP9874-180-00

Valve function: APB = All Ports Blocked,
COE = Centre Open Exhaust,
COP = Centre Open Pressure

Option selector (air pilot actuated valves)

SXP*★★7★-1★0-00

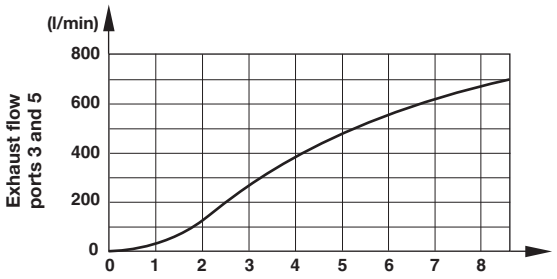
Valve function	Substitute
5/2 pilot/pilot, bistable valve	**05**
5/2 pilot/pilot, bistable valve with side 14 priority	**15**
5/2 pilot/spring, monostable valve	**95**
5/3 - APB	**96**
5/3 - COE	**97**
5/3 - COP	**98**

ISO size	Substitute
ISO 1	**3**
ISO 2	**4**
ISO 3	**5**

Integrated flow control	Substitute
Without	**7**
With	**8**

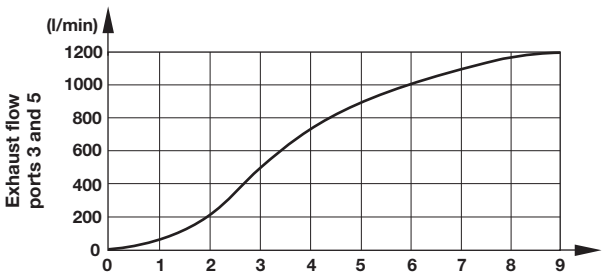
Exhaust flow characteristics for valves with integral flow regulators

ISO 1



Number of turns from closed
Flow: port 1 » 2 or 1 » 4: 1230 l/min,
flow measured at 6 bar inlet with pressure drop 1 bar

ISO 2



Number of turns from closed
Flow: port 1 » 2 or 1 » 4: 2450 l/min,
flow measured at 6 bar inlet with pressure drop 1 bar

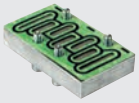
Sub-bases, end plates and blanking disc - VDMA 24345 sub-base options

ISO size	Single station sub-base, Form A side ported  Page 11		Single station sub-base Form B bottom ported  Page 11		Modular sub-base Form C  Page 11		Form D End plates  Page 11		Blanking disc for VDMA sub-bases *1)  Page 12	
	ISO G thread	NPT thread	ISO G thread	NPT thread	ISO G thread	NPT thread	ISO G thread	NPT thread	ISO G thread	NPT thread
1	M/P19126 (1/4)	C/P19126 (1/4)	M/P19125 (1/4)		CQM/22152/3/21	239-238B	CQM/22152/3/22	239-289B	FP 8382	239-251
2	M/P19132 (3/8)	C/P19132 (3/8)	M/P19131 (3/8)		CQM/22253/3/21	239-242B	CQM/22253/3/22	239-291B	FP 8482	239-252
3	M/P19138 (1/2)	C/P19138 (1/2)	M/P19137 (1/2)		CQM/22354/3/21	239-246B	CQM/22354/3/22	239-293B	FP 8582	239-253

Universal sub-base options for ISO G parallel threads only

ISO size	Modular base with side, end and bottom ports open  Page 13	Universal end plate, all ports blocked  Page 13	Universal end plate, side ports open  Page 13	Transition plate from ISO 1 » ISO 2  Page 13	Blanking disk for ISO 1 and ISO 2  Page 13
1	CQM/22152/3/27 (G1/4)	CQM/22152/3/28 (G1/4)	CQM/22152/3/31 (G1/4)	CQM/22152/3/29	M/P43173
2	CQM/22253/3/27 (G3/8)	CQM/22253/3/28 (G3/8)	CQM/22253/3/31 (G3/8)	CQM/22152/3/29	M/P43174

Accessories for ISO G parallel and NPT threads

ISO size	Blanking plate for VDMA and universal sub-bases  Page 12	Transition plate for VDMA sub-bases  Page 12	Silencer  Page 12	Sandwich plate with check valves  Page 16	Flow regulator plate, ports 3 and 5 regulated  Page 16
1	CQM/22152/3/23	CQM/22152/3/24 (1 » 2)	0015510	FP7050	—
2	CQM/22253/3/23	CQM/22253/3/24 (2 » 3)		—	—
3	CQM/22354/3/23	FP8570 (1 » 3)		FP7070	CQM/22354/3/26

Sandwich plates - ISO size 1

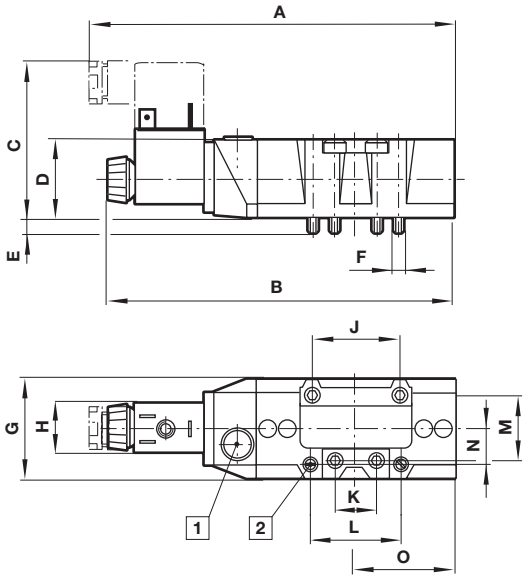
ISO size	Single pressure regulator plate, port 1 regulated  Page 14	Single pressure regulator plate, port 1 regulated  Page 14	Single pressure regulator plate, port 2 regulated  Page 14	Single pressure regulator plate, port 4 regulated  Page 14	Double pressure regulator plate, port 2 & 4 regulated  Page 15
1	V71010-KB1 (Regulator on side 14)	V71011-KB1 (Regulator on side 12)	V71012-KB2	V71012-KB3	V71012-KB4

Drawings

Dimensions in mm
Projection/First angle

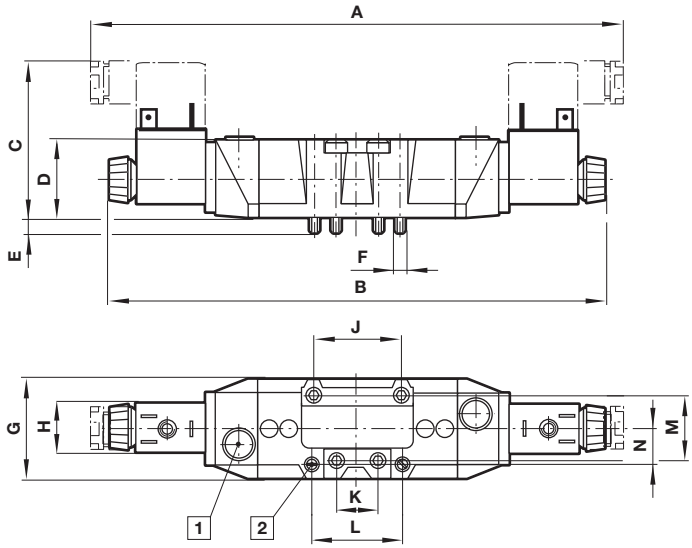
SXE 957*–A models
Single end solenoid pilot valves

1



SXE 057*–A and SXE9*7*–A models
Double end solenoid pilot valves

2



1 Manual override
2 Flow regulators

ISO size	A	B	C	D	E	F	G	H	J
1	154	146	66	33	7,5	M5	42	22/30	36
2	181	173	71	42	8	M6	55	22/30	48
3	207,5	197	72	43	11,5	M8	62,5	22/30	64

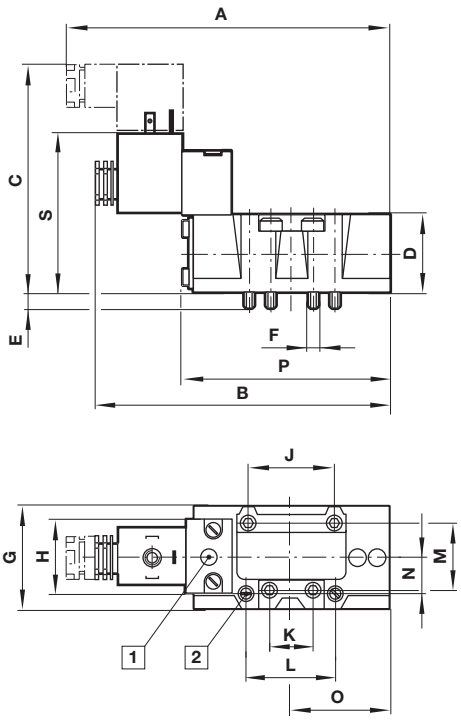
ISO size	K	L	M	N	O	kg	Model
1	18	38	28	15	42	0,33	SXE 9573-A...
2	24	48	38	20	53	0,59	SXE 9574-A...
3	32	–	48	–	65,5	0,85	SXE 9575-A...

ISO size	A	B	C	D	E	F	G	H	J
1	222	204	65	33	7,5	M5	42	22/30	36
2	255	239	71	42	8	M6	55	22/30	48
3	284	263	72	43	11,5	M8	62,5	22/30	64

ISO size	K	L	M	N	kg	Model
1	18	38	28	15	0,45	SXE 0573-A..., SXE 9.73-A...
2	24	48	38	20	0,72	SXE 0574-A..., SXE 9.74-A...
3	32	–	48	–	0,96	SXE 0575-A..., SXE 9.75-A...

SXE 957*-Z models
Single CNOMO solenoid pilot valves

3

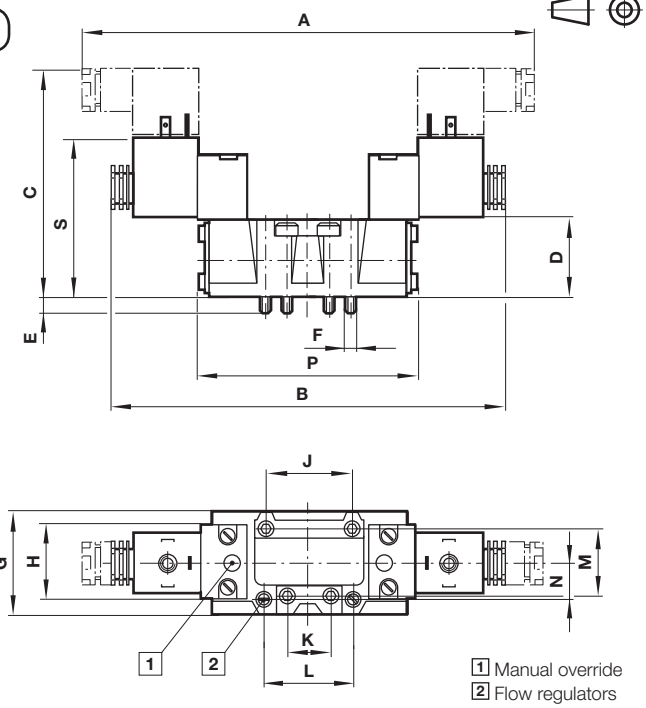


ISO size	A	B	C	D	E	F	G	H	J	K
1	137,5	128	98	33	7,5	M5	42	32	36	18
2	157,5	148	107	42	8	M6	55	32	48	24
3	181	170	108	43	11,5	M8	62,5	32	64	32
ISO size	**L**	**M**	**N**	**O**	**P**	**S**	**kg**		**Model**	
1	38	28	15	42	88	62	0,6		SXE 9573-Z...	
2	48	38	20	53	112	71	0,8		SXE 9574-Z...	
3	–	48	–	65,5	135,5	78,5	1,0		SXE 9575-Z...	

SXE 057*-Z and SXE9*7*-Z models
Double CNOMO solenoid pilot valves

Dimensions in mm
Projection/First angle

4



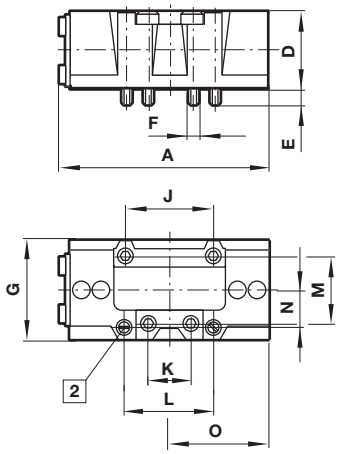
1 Manual override
2 Flow regulators

ISO size	A	B	C	D	E	F	G	H	J	K
1	191	171	89	33	7,5	M5	42	32	36	18
2	208	189	107	42	8	M6	55	32	48	24
3	231	212	108	43	11,5	M8	62,5	32	64	32
ISO size	**L**	**M**	**N**	**P**	**S**	**kg**	**Model**			
1	38	28	15	92,5	62	1,0	SXE0573-Z..., SXE 9.73-Z...			
2	48	38	20	119	71	1,2	SXE 0574-Z..., SXE 9.74-Z...			
3	–	48	–	140 (142)	78,5	1,4	SXE 0575-Z..., SXE 9.75-Z...			

( ) for 5/3 way valves

SXP957* models
Single air pilot valve

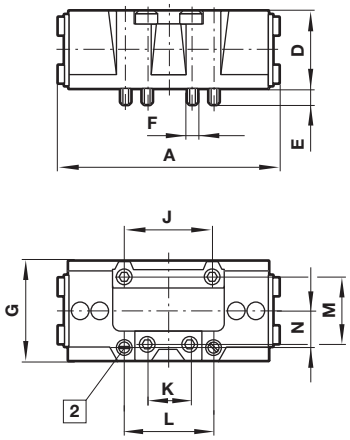
5



ISO size	A	D	E	F	G	J	K
1	88	33	7,5	M5	42	36	18
2	112	42	8	M6	55	48	24
3	135,5	43	11,5	M8	62,5	64	32
ISO size	**L**	**M**	**N**	**O**	**kg**	**Model**	
1	38	28	15	42	0,3	SXP9573-..., SXP*573-...	
2	48	38	20	53	0,5	SXP9574-..., SXP*574-...	
3	–	48	–	65,5	0,7	SXP9575-..., SXP*574-...	

SXP*57*, SXP967*, SXP977* & SXP987* models
Double air pilot valve

6



2 Flow regulators

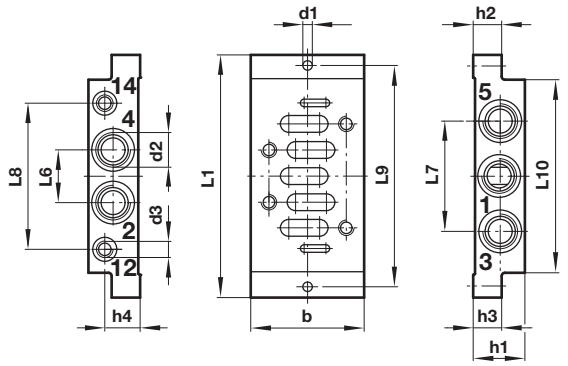
ISO size	A	D	E	F	G	J	K
1	92,5	33	7,5	M5	42	36	18
2	119	42	8	M6	55	48	24
3	140 (142)	43	11,5	M8	62,5	64	32
ISO size	**L**	**M**	**N**	**kg**		**Model**	
1	38	28	15	0,3		SXP0573-..., SXP9*73-...	
2	48	38	20	0,5		SXP*574-..., SXP9*74-...	
3	–	48	–	0,7		SXP*575-..., SXP9*75-...	

( ) for 5/3 way valves

Sub-bases and end plates

Dimensions in mm
Projection/First angle

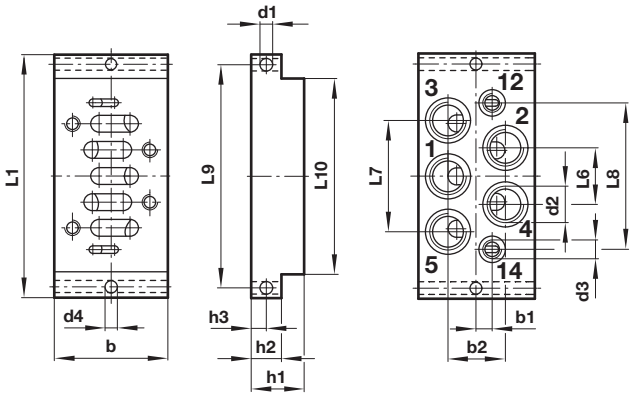
VDMA 24345 sub-base options
Single station sub-base side ported (Form A)
for ISO G and NPT threads



ISO size	b	d1	d2	d3	h1	h2	h3	Model
1	48	5,5	1/4"	1/8"	32	10	10,5 (21,5)	#/P19126
2	57	6,6	3/8"	1/8"	40	13	14 (26)	#/P19132
3	71	6,6	1/2"	1/8"	32	18	179	#/P19138

ISO size	h4	L1	L6	L7	L8	L9	L10	kg	Model
1	23,5	110	24	43	58	98	84	0,16	#/P19126
2	30	124	30	56	74	112	95	0,28	#/P19132
3	22	149	32	68	90	136	119	0,36	#/P19138

Single station sub-base
bottom ported (Form B)
for ISO G and NPT threads

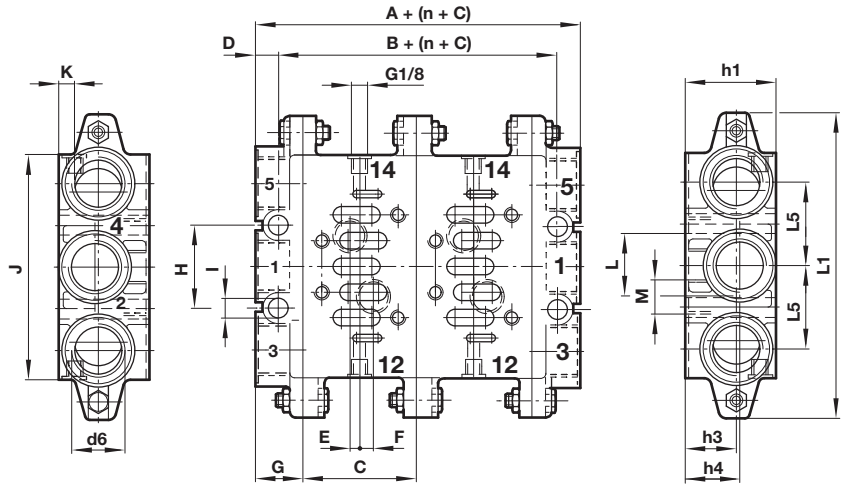


ISO size	b	b1	b2	d1	d2	d3	d4	h1	Model
1	46	7	23	5,5	1/4"	1/8"	5,5	30	#/P19125
2	56	8	27	6,6	3/8"	1/8"	6,6	35	#/P19131
3	71	10	34	6,6	1/2"	1/8"	6,69	32	#/P19137

ISO size	h2	h3	L1	L6	L7	L8	L9	L10	kg	Model
1	10	5	110	23	46	62	98	84	0,19	#/P19125
2	13	6,5	124	28	56	73	112	95	0,32	#/P19131
3	18	9	149	34	68	90	136	119	0,40	#/P19137

( ) Dimension for ports 3 and 5.
Insert 'M' for ISO G parallel or 'C' for NPT threads

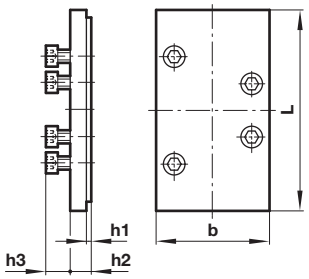
Modular sub-bases (Form C) and end plates (Form D)
for ISO G and NPT threads



ISO size	A	B	C	D	E	F	G	H	I	kg	Model ISO G thread	Model NPT thread
1	44	22	43	11	1,5	7,5	22	28	7	0,24	CQM/22152/3/21	239-238B
2	52	26	56	13	5	6	26	35	9	0,36	CQM/22253/3/21	239-242B
3	60	30	71	15	6	8	30	52	12	0,72	CQM/22354/3/21	239-246B

ISO size	J	K	L	M	h1	h3	h4	L1	L5	d6	kg	Model ISO G thread	Model NPT thread
1	85	8,5	26	G1/4	46	21	24	110	28	3/8"	0,22	CQM/22152/3/22	239-289B
2	100	9	30	G3/8	47	22	24	135	28	1/2"	0,34	CQM/22253/3/22	239-291B
3	140	10	38	G1/2	56	31	34	190	52	1"	0,66	CQM/22354/3/22	239-293B

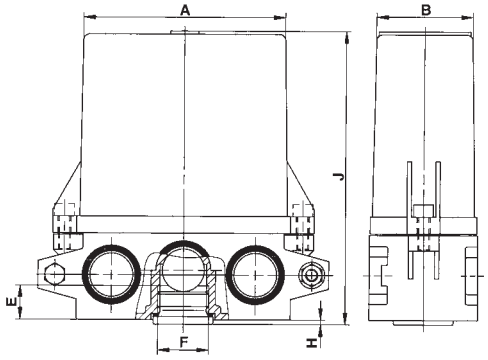
Blanking plate for VDMA & universal sub-bases with ISO G and NPT threads



ISO size	b	L	h1	h2	h3	kg	Model
1	42	80	2	14	11	0,05	CQM/22152/3/23
2	55	85	2,5	12,5	13,5	0,09	CQM/22253/3/23
3	70	106	2,5	12,5	15,5	0,26	CQM/22354/3/23

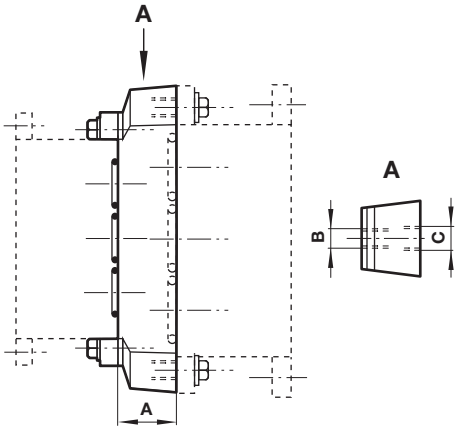
Silencer for VDMA & universal sub-bases with ISO G and NPT threads

Dimensions in mm
Projection/First angle



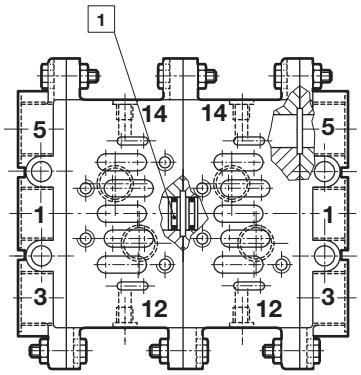
ISO size	A	B	E	F	H	J	Model
1	77	38	15	G3/8	2	122	0015510

Transition plate from ISO 1 » ISO 2, ISO 2 » ISO 3 and ISO1 » ISO 3 for VDMA sub-bases for ISO G and NPT threads



ISO size	A	B	C	kg	Model
1 » 2	25	M5	M6	0,35	CQM/22152/3/24
2 » 3	40	M6	M8	0,65	CQM/22253/3/24
1 » 3	34	M5	M8	0,90	FP8570

Blanking disc
FP8382, FP8482 & FP8582 for ISO G thread
239-251, 239-252 & 239-253 for NPT thread

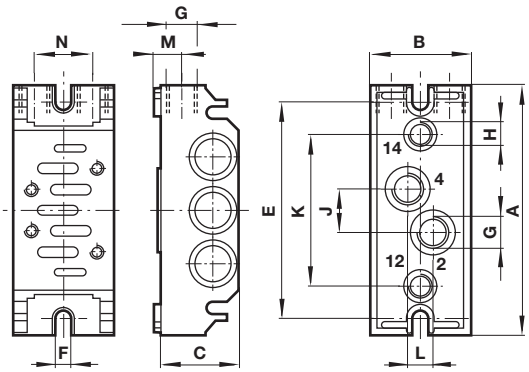


1 Blanking disc; FP8*82 or 239-25*

Universal sub-base options for ISO G threads only

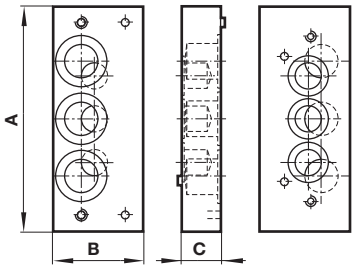
Modular base with side, end and bottom ports open

Dimensions in mm
Projection/First angle



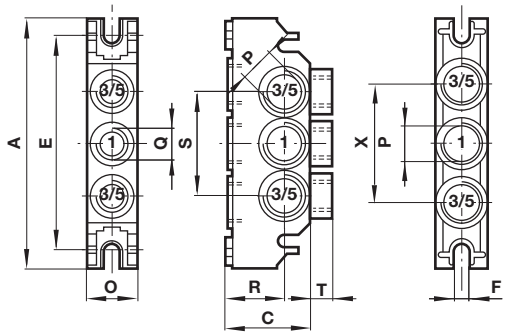
ISO size	A	B	C	E	F	G	H	J	K	L	M	N	kg	Model
1	106	43	36	92	5,5	G1/4	G1/8	18	64	11	12	28	0,16	CQM/22152/3/27
2	120	56	43	102	6,5	G3/8	G1/8	24	68	19	15	38	0,35	CQM/22253/3/27

Transition plate from ISO 1 » ISO 2



ISO size	A	B	C	kg	Model
1 » 2	114	46	20	0,23	CQM/22152/3/29

Universal end plate, all ports blocked

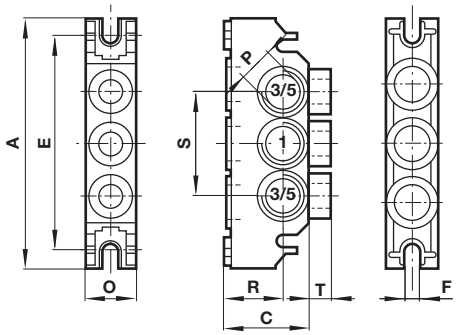


ISO size	A	C	E	F	0	P	Q	R	S	T	X	kg	Model
1	106	36	92	5,5	22	G3/8	G1/4	25	44	9	50	0,13	CQM/22152/3/28
2	120	46	102	6,5	29	G1/2	G1/4	31	58	7	58	0,23	CQM/22253/3/28

Drill dimensions for opening ports

G1/4	Ø 8
G3/8	Ø 15
G1/2	Ø 15

Universal end plate, side ports open



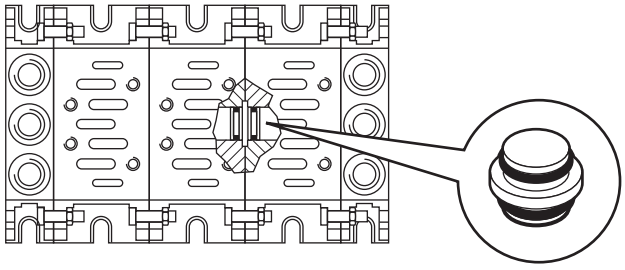
ISO size	A	C	E	F	0	P	R	S	T	kg	Model
1	106	36	92	5,5	22	G3/8	25	44	9	0,13	CQM/22152/3/31
2	120	46	102	6,5	29	G1/2	31	58	7	0,23	CQM/22253/3/31

Drill dimensions for opening ports

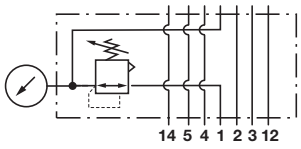
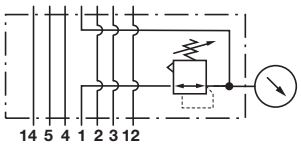
G1/4	Ø 8
G3/8	Ø 15
G1/2	Ø 15

Blanking disc for ISO 1 and ISO 2 universal sub-bases

ISO size	kg	Model
1	0,01	M/P43173
2	0,03	M/P43174



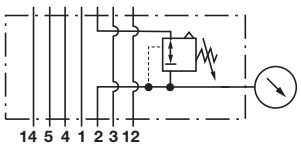
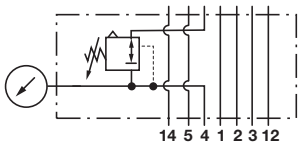
Sandwich single pressure regulator plate with pressure regulator on port 1

Symbol	ISO size	Regulator on side	Operation	Inlet pressure max. (bar)	Pressure range (bar)	Weight (kg)	Model
	1	14	Membrane pressure regulator with relieving valve	16	0,5 ... 12	0,6	V71010-KB1
	1	12	Membrane pressure regulator with relieving valve	16	0,5 ... 12	0,6	V71011-KB1

Application:
Pressure of port 1 can be regulated individually by using this intermediate plate.

Note:
Adjustment knob has push to lock feature.

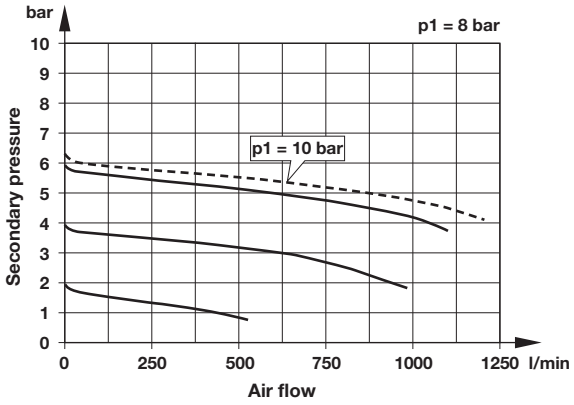
Sandwich single pressure regulator plate with pressure regulator on port 2 or port 4

Symbol	ISO size	Regulated port	Operation	Inlet pressure max. (bar)	Pressure range (bar)	Weight (kg)	Model
	1	2	Membrane pressure regulator with relieving valve	16	0,5 ... 12	0,39	V71012-KB2
	1	4	Membrane pressure regulator with relieving valve	16	0,5 ... 12	0,39	V71012-KB3

Application:
Pressure of port 2 and 4 can be regulated individually by using this intermediate plate.

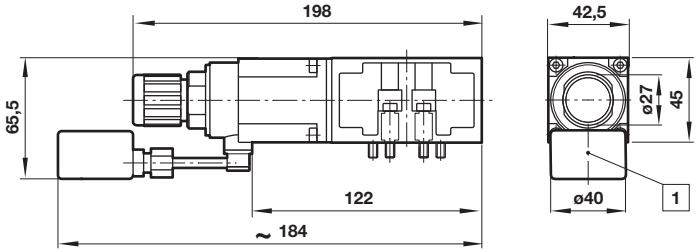
Note:
Adjustment knob has push to lock feature.

Flow characteristics (inlet pressure: 8 bar)



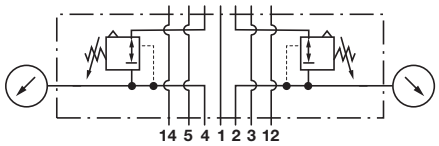
Dimensions:

Dimensions in mm
Projection/First angle



1 Gauge

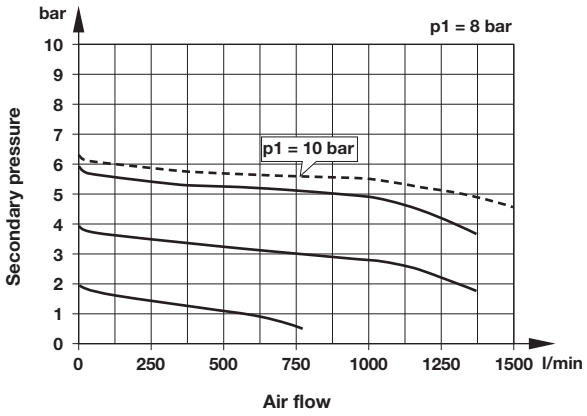
Sandwich double pressure regulator plate with double pressure regulator on port 2 and 4

Symbol	ISO size	Regulated port	Operation	Inlet pressure max. (bar)	Pressure range (bar)	Weight (kg)	Model
	1	2 and 4	Membrane pressure regulator with relieving valve	16	0,5 ... 12	0,39	V71012-KB4

Application:
Pressure of ports 2 and 4 can be regulated individually by using one of the intermediate plates.

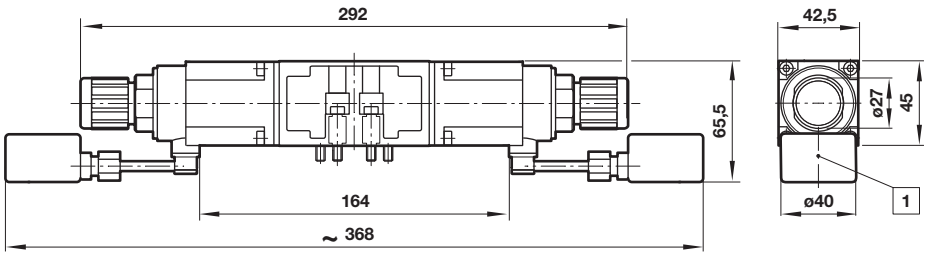
Note:
Adjustment knob has push to lock feature.

Flow characteristics (inlet pressure: 8 bar)



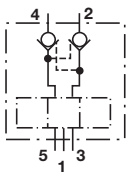
Dimensions:

Dimensions in mm
Projection/First angle



1 Gauge

Sandwich plate with check valves

Symbol	ISO size	Design	Flow (l/min)	Operating pressure (bar)	Weight (kg)	Model
	1	Poppet valves	500	3 ... 8	0,45	FP7050
	3	Poppet valves	3400	3 ... 8	2,05	FP7070

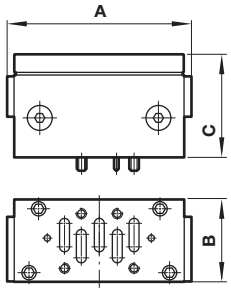
Application:
With this type of intermediate plate together with a 5/3-way valve, center position open, a piston movment can be stopped in any desired position. This position will kept during a long period.

Note:
Metal to metal sealed spool and sleeve valves have always a small amount of leak because of its design. Therefore 5/3-way valves, center position closed, are only applicable for short stops.

Caution: Not suitable for safety applications!

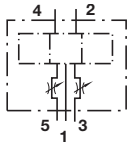
Dimensions

Dimensions in mm
Projection/First angle



ISO	A	B	C	Model
1	96	42	52	FP7050
3	165	62	95	FP7070

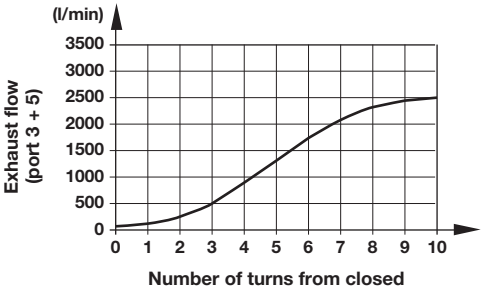
Flow regulator plate

Symbol	ISO size	Regulated port	Operation	Inlet pressure max. (bar)	Weight (kg)	Model
	3	3 and 5	Piston regulator	-0,9 ... 16	0,86	CQM/22354/3/26

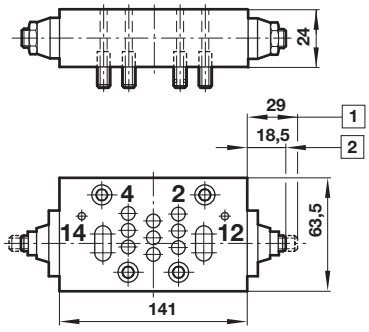
Application:
Regulation of exhaust ports 3 and 5 allows easy cylinder speed control

Note:
The regulator screw can be locked with the lock nut.

Flow characteristics (inlet pressure: 8 bar)



Dimensions



1 Fully open
2 Fully closed

Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under »**Technical features/data**«.
Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult
IMI Precision Engineering, Norgren GmbH.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes. The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.
System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.
System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.

V44/V45, 2 x 3/2, 5/2 & 5/3 Mini ISO Valves

2 x 3/2, 5/2 and 5/3 valves, ISO 15407-1/ VDMA 24 563, Size 26 mm

Solenoid and pilot actuated

High performance, compact design

Flexible sub-base system

Multipressure system capability

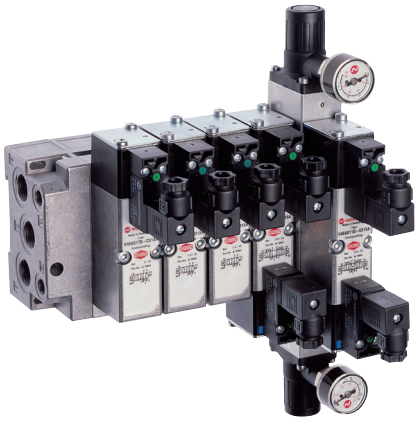
Dual spool technology:

- V44 Glandless spool and sleeve (long life)
- V45 Softseal spool (high flow)

Collected pilot exhaust with internal pilot air supply

Easy to convert from internal to external pilot supply

Valve exchange under pressure



Technical features

Medium:
Compressed air, filtered to 40 µm,
lubricated or non-lubricated

Operation:
V44: Glandless spool valve, solenoid pilot or air pilot actuated
V45: Softseal spool valve, solenoid pilot or air pilot actuated

Flow:
V45 Softseal:

Function	l/min	Cv	Kv
2x3/2 NC	1100	1,12	0,96
2X3/2 NO		1000	0,98
0,87			
5/2	1200	1,22	1,05
5/3	1150	1,17	1,00

V44 Glandless:

Function	l/min	Cv	Kv
5/2	900	0,92	0,79
5/3	900	0,92	0,79

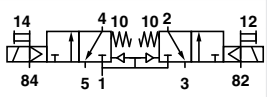
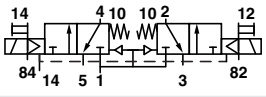
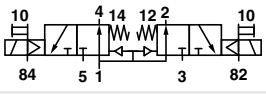
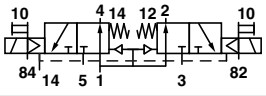
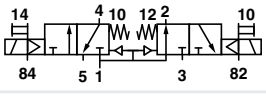
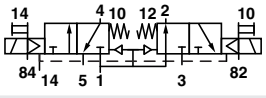
Mounting:
Sub-base

Operating pressure:
See tables for individual details

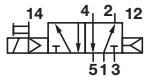
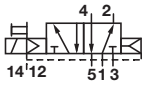
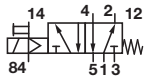
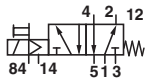
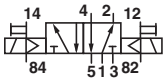
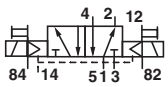
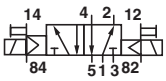
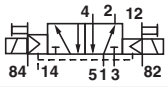
Media/Ambient temperature:
-15 ... +50°C (+5 ... 122°F)
V44/V45 solenoid and V45 air pilot models
-15 ... +80°C (+5 ... 176°F)
V44 air pilot models
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Materials:
Body: die-cast aluminium
Sub-bases: aluminium alloy
Spool and sleeve: hard anodized, Teflon coated, matched aluminium
(V44); aluminium alloy spool with HNBR Seals (V45)
Plastic parts: POM
Static seals: NBR
End cover and screws: zinc plated
Springs: stainless steel

2 x 3/2 Solenoid pilot actuated softseal valves

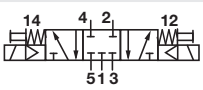
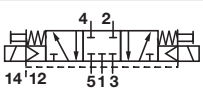
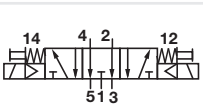
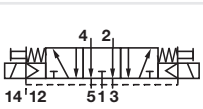
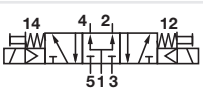
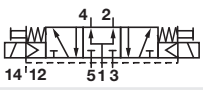
Symbol	Function 2 x 3/2	Actuation/ return	Pilot supply	Pilot exhaust	Operating pressure (bar)	Pilot pressure (bar)	Flow (l/min)	Model
	NC	Solenoid/Spring	Internal	Collected #	3 ... 10	–	1000	V45AA11D-*1)
	NC	Solenoid/Spring	External	Not collected	0 ... 10	1,5 + (0,35 x operating pressure)	1000	V45AA22D-*1)
	NO	Solenoid/Spring	Internal	Collected #	3 ... 10	–	1000	V45AB11D-*1)
	NO	Solenoid/Spring	External	Not collected	0 ... 10	1,5 + (0,35 x operating pressure)	1000	V45AB22D-*1)
	NO/NC	Solenoid/Spring	Internal	Collected #	3 ... 10	–	1000/1100	V45AC11D-*1)
	NO/NC	Solenoid/Spring	External	Not collected	0 ... 10	1,5 + (0,35 x operating pressure)	1000/1100	V45AC22D-*1)

5/2 Solenoid pilot actuated glandless and softseal valves

Symbol	Pilot supply	Pilot exhaust	Operator 14	Operator 12	Operating pressure (bar)	Pilot pressure (bar)	Sealing system	Flow (l/min)	Model
	Internal	Collected #	Solenoid	Air spring	1 ... 10	–	Glandless	900	V44A513D-*1)
	External	Not collected	Solenoid	Air spring	-0,9 ... 16	1 ... 10	Glandless	900	V44A523D-*1)
	Internal	Collected #	Solenoid	Spring	1,6 ... 10	–	Glandless	900	V44A517D-*1)
	Internal	Collected #	Solenoid	Spring	2 ... 10	–	Softseal	1200	V45A517D-*1)
	External	Not collected	Solenoid	Spring	-0,9 ... 16	1,6 ... 10	Glandless	900	V44A527D-*1)
	External	Not collected	Solenoid	Spring	-0,9 ... 10	2 ... 10	Softseal	1200	V45A527D-*1)
	Internal	Collected #	Solenoid	Solenoid	2 ... 10	–	Glandless	900	V44A511D-*1)
	Internal	Collected #	Solenoid	Solenoid	2 ... 10	–	Softseal	1200	V45A511D-*1)
	External	Not collected	Solenoid	Solenoid	-0,9 ... 16	2 ... 10	Glandless	900	V44A522D-*1)
	External	Not collected	Solenoid	Solenoid	-0,9 ... 10	2 ... 10	Softseal	1200	V45A522D-*1)
	Internal	Collected #	Solenoid (priority)	Solenoid	2 ... 10	–	Glandless	900	V44A591D-*1)
	External	Not collected	Solenoid (priority)	Solenoid	-0,9 ... 16	2 ... 10	Glandless	900	V44A592D-*1)

*1) Insert voltage code from tables on page 3
# Pilot exhaust collected and exhausted via port 14
NO = Normally open
NC = Normally closed

5/3 Solenoid pilot actuated glandless and softseal valves

Symbol	Function	Pilot supply	Pilot exhaust	Operator 14	Operator 12	Operating pressure (bar)	Pilot pressure (bar)	Sealing system	Flow (l/min)	Model
	APB	Internal	Collected #	Solenoid	Solenoid	2 ... 10	–	Glandless	900	V44A611D-*2)
	APB	Internal	Collected #	Solenoid	Solenoid	2,5 ... 10	–	Softseal	1150	V45A611D-*2)
	APB	External	Not collected	Solenoid	Solenoid	-0,9 ... 16	2 ... 10	Glandless	900	V44A622D-*2)
	APB	External	Not collected	Solenoid	Solenoid	-0,9 ... 10	2,5 ... 10	Softseal	1150	V45A622D-*2)
	COE	Internal	Collected #	Solenoid	Solenoid	2 ... 10	–	Glandless	900	V44A711D-*2)
	COE	Internal	Collected #	Solenoid	Solenoid	2,5 ... 10	–	Softseal	1150	V45A711D-*2)
	COE	External	Not collected	Solenoid	Solenoid	-0,9 ... 16	2 ... 10	Glandless	900	V44A722D-*2)
	COE	External	Not collected	Solenoid	Solenoid	-0,9 ... 10	2,5 ... 10	Softseal	1150	V45A722D-*2)
	COP	Internal	Collected #	Solenoid	Solenoid	2 ... 10	–	Glandless	900	V44A811D-*2)
	COP	Internal	Collected #	Solenoid	Solenoid	2,5 ... 10	–	Softseal	1150	V45A811D-*2)
	COP	External	Not collected	Solenoid	Solenoid	-0,9 ... 16	2 ... 10	Glandless	900	V44A822D-*2)
	COP	External	Not collected	Solenoid	Solenoid	-0,9 ... 10	2,5 ... 10	Softseal	1150	V45A822D-*2)

*2) Insert voltage code from tables below
# Pilot exhaust collected and exhausted via port 14
APB = All Ports Blocked
COE = Centre Open Exhaust
COP = Centre open pressure

Electrical details for solenoid operators

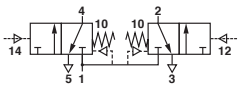
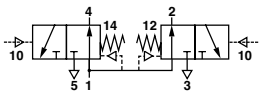
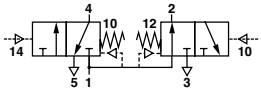
Voltage tolerances	-10%/+15%
Rating	100 % Continuous duty
Inlet orifice	0,8 mm
Electrical connection	15 mm DIN EN 175301-803 (DIN 43 650) Table C
Manual override	Shrouded push button, spring return Convertible into lockable type with set-up kit, part no. V70532-K00 (see next page)
Protection class	IP 65 with sealed plug (ISO 6952) NEMA 4
Materials	PPS (body), FPM and NBR (seal)

Voltage codes & spare pilots

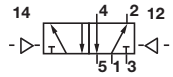
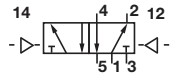
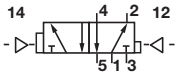
Voltage	Coil code	Current	Spare pilot valve
12 V d.c.	C312A	1 W	VZC7L2C1-C312A
24 V d.c.	C313A	1,2 W	VZC7L2C1-C313A
24 V 50/60 Hz.	C314A	2,1/1,5 VA	VZC7L2C1-C314A
48 V 50/60 Hz	C316A	2,1/1,5 VA	VZC7L2C1-C316A
110 V d.c.	C317A	1 W	VZC7L2C1-C317A
115 V 50/60 Hz	C318A	2,1/1,5 VA	VZC7L2C1-C318A
230 V 50/60 Hz	C319A	2,1/1,5 VA	VZC7L2C1-C319A

Other voltages available on request. Spare pilot valves are delivered with mounting screws.

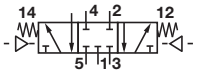
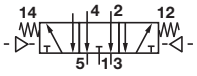
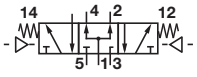
2 x 3/2 Air pilot actuated softseal valves

Symbol	Function 2 x 3/2	Actuation/return 2 x 3/2	Operating pressure (bar)	Pilot pressure (bar)	Sealing system	Flow (l/min)	Model
	NC	Air/Spring	0 ... 10	1,7 + (0,35 x operating pressure)	Softseal	1100	V45AA33A-X0020
	NO	Air/Spring	0 ... 10	1,7 + (0,35 x operating pressure)	Softseal	1000	V45A-B33A-X0020
	NO/NC	Air/Spring	0 ... 10	1,7 + (0,35 x operating pressure)	Softseal	1000/1100	V45A-C33A-X0020

5/2 Air pilot actuated glandless and softseal valves

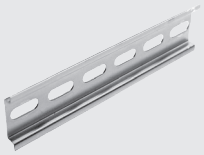
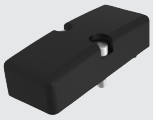
Symbol	Operator 14	Operator 12	Operating pressure (bar)	Pilot pressure (bar)	Sealing system	Flow (l/min)	Model
	Air	Spring	-0,9 ... 16	1,6 ... 16	Glandless	900	V44A537A-X0090
	Air	Spring	-0,9 ... 10	2 ... 10	Softseal	1200	V45A537A-X0090
	Air	Air	-0,9 ... 16	2 ... 16	Glandless	900	V44A533A-X0020
	Air	Air	-0,9 ... 10	2 ... 10	Softseal	1200	V45A533A-X0020
	Air (priority)	Air	-0,9 ... 16	2 ... 16	Glandless	900	V44A533A-X0070

5/3 Air pilot actuated glandless and softseal valves

Symbol	Function	Operator 14	Operator 12	Operating pressure (bar)	Pilot pressure (bar)	Sealing system	Flow (l/min)	Model
	APB	Air	Air	-0,9 ... 16	2 ... 16	Glandless	900	V44A633A-X0020
	APB	Air	Air	-0,9 ... 10	2,5 ... 10	Softseal	1150	V45A633A-X0020
	COE	Air	Air	-0,9 ... 16	2 ... 16	Glandless	900	V44A733A-X0020
	COE	Air	Air	-0,9 ... 10	2,5 ... 10	Softseal	1150	V45A733A-X0020
	COP	Air	Air	-0,9 ... 16	2 ... 16	Glandless	900	V44A833A-X0020
	COP	Air	Air	-0,9 ... 10	2,5 ... 10	Softseal	1150	V45A833A-X0020

Valve function: NO = Normally open,
NC = Normally closed
APB = All Ports Blocked
COE = Centre Open Exhaust
COP = Centre Open Pressure

Accessories

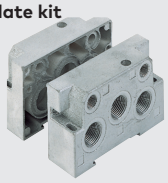
DIN EN 50 022 rail (1 m)	DIN-rail mounting kit	Blanking disc to modular sub-base	Manual override set-up kit	Blanking plate for unused station	Transition plate V40/V41 » V44/V45
					
				Page 11	Page 11
V10009-C00 (35 x 7,5 mm)	V70531-KA0	V70522-K00 (Ports 1,3,5))	V70532-K00	V70500-KA0	V70436-K00
V10592-C01 (35 x 15 mm)		V70523-K00 (Ports 12 & 14)			V70436-B00 *3)

*3) With supply and exhaust portsg

Sandwich plates

Intermediate supply/ exhaust manifole	Single valve shut-off plate	Single pressure regulator plate	Double pressure regulator plate	Flow regulator plate	Sandwich plate with additional pressure port 1
					
Page 10	Page 10	Page 12 & 13	Page 13	Page 10	Page 11
V70529-BA0 (G1/4)	V70530-KA0 (Port 1 blocked)	V70527-KA1 (Port 1 reg.)	V70527-KA4 (Ports 2+4 reg.)	V70528-KA0 (Ports 3+5 reg.)	V70535-BA0 (G1/4)
		V70527-KA2 (Port 2 reg.)			V70535-RA0 (1/4 NPTF)
		V70527-KA3 (Port 4 reg.)			

Sub-bases and end plates

Single station sub-base	Single station modular sub-base, side ported	Single station modular sub-base, bottom ported	End plate kit	Fixed length sub-base
				
Page 9	Page 7	Page 7	Page 7	Page 9
V70501-BAB (G1/4)	V70525-*AF *4)	V70525-BAE (G1/4) *4)	V70524-CAC (G3/8)	V705**-BA0 (G1/4)
V70501-RAB (1/4 NPTF)	V70526-*AF *5)	V70526-BAE (G1/4) *5)	V70524-SAC (3/8 NPTF)	V705**-RAO (1/4 NPTF)

* = Insert code for port type, see on page 7
** = Insert number of valve stations in sub-base assemblies, see page 8
*4) Without pilot ports
*5) With pilot ports

Connector plug - ordered separately

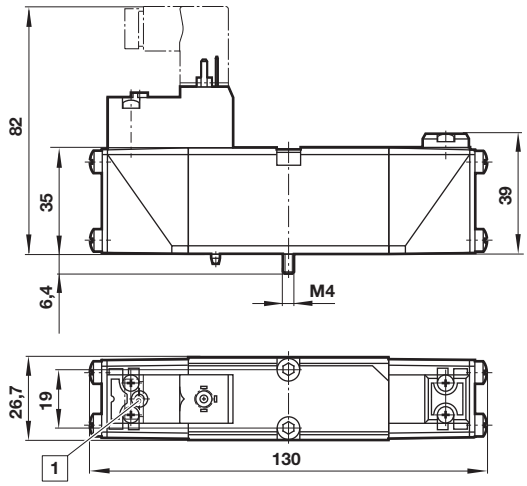
15 mm DIN EN 175301-803 (DIN 43 650) Table C

V10027-D00
250 V AC/300 V DC.

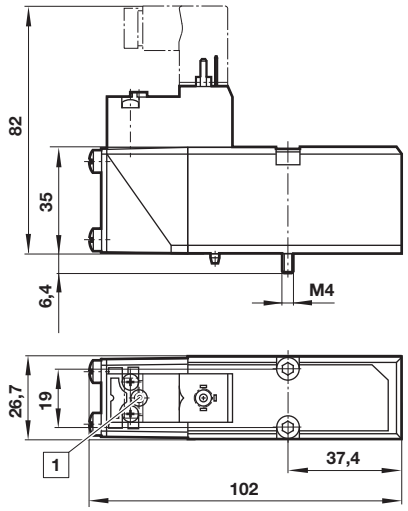
Valve dimensions

Dimensions in mm
Projection/First angle

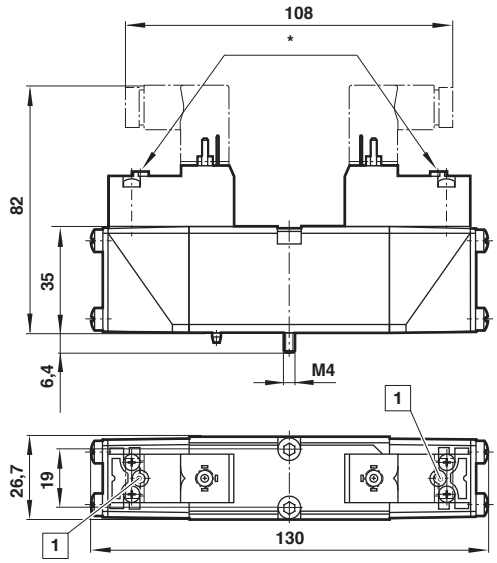
V44A5*3D-C3*
5/2 Single solenoid pilot valve
Air spring return



V44A5*7D-C3* & V45A5*7D-C3***
5/2 Single solenoid pilot valve
Mechanical spring return

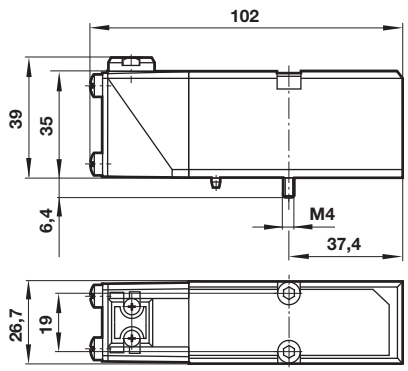


V44A5D-C3*** & V45A5**D-C3***
5/2 Double solenoid pilot valve
V44A*D-C3*** & V45A***D-C3***
2x3/2 + 5/3 Double solenoid pilot valve

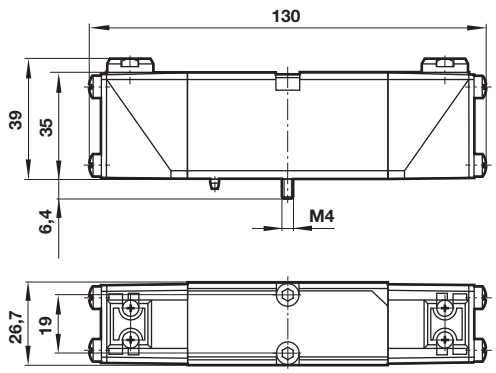


1 Manual override

V44A537A-X00*0 & V45A537A-X00*0
5/2 Single air pilot valve

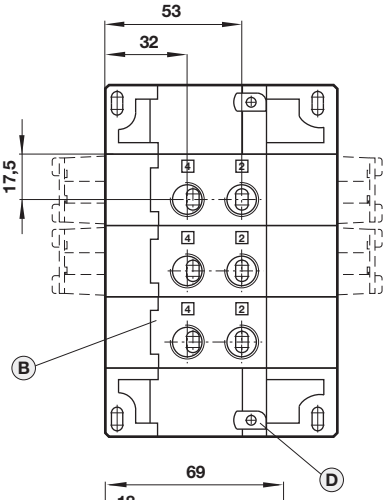


V44A*33A-X00*0 & V45A*33A-X00*0
2 x 3/2, 5/2 + 5/3 Double air pilot valve

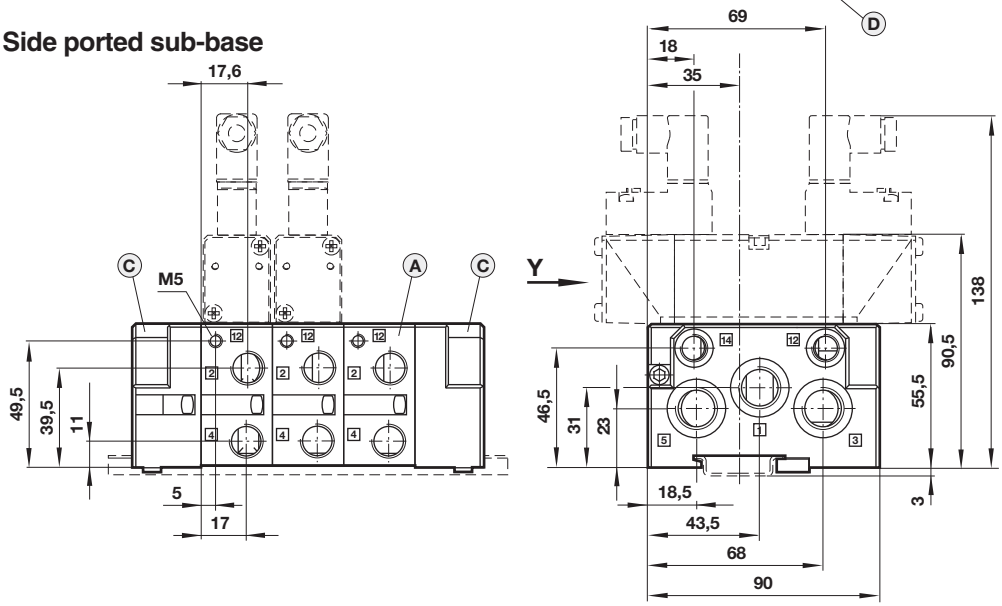


Modular sub-bases parts for DIN rail or surface mounting
Bottom ported sub-base

Dimensions in mm
Projection/First angle

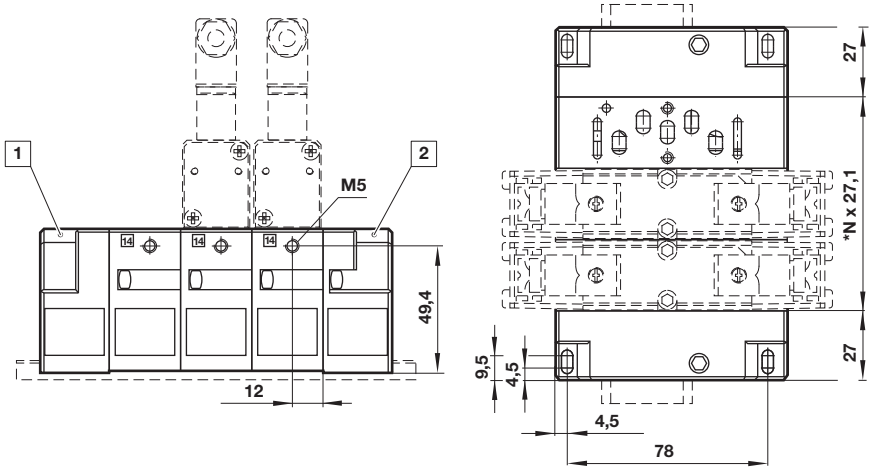


Side ported sub-base



Bottom and side ported sub-base

View Y



1 Right hand side
2 Left hand side

Individual components

Modular sub-base (A)	Ports 2+4 on side without pilot ports	Ports 2+4 on side with pilot ports
	Model: V70525-*****AF (0,18 kg)	Model: V70526-*****AF (0,18 kg)
Modular sub-base (B)	Ports 2+4 on bottom without pilot ports	Ports 2+4 on bottom with pilot ports
	Model: V70525-BAE (G1/4) 0,18 kg	Model: V70526-BAE (G1/4) 0,18 kg
End plate kit (C)		
Side ported	Model: V70524-CAC G3/8, 12 & 14 G1/8) 0,36 kg Model: V70524-SAC (3/8 NPTF 12 & 14 1/8 NPTF)*6) 0,36 kg	

* Insert code for port type, see table on the right hand
*6) End ported end caps 1 left and 1 right hand

N = number of stations
Note: Port 14 either used for external pilot air supply or for collected pilot air exhaust.**Therefore, never plug port 14 when using valves with internal pilot air supply.**
Port 12 is not used, plugging not necessary.

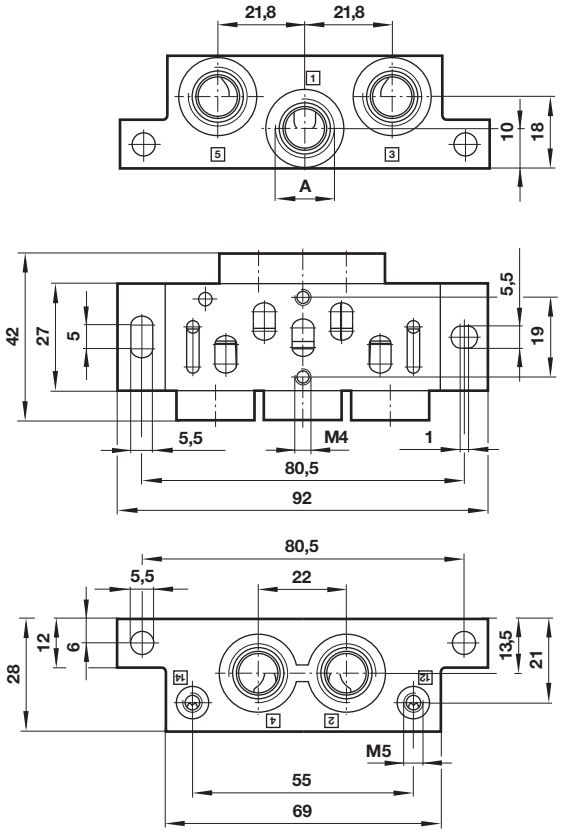
Code	Port size 2 & 4	Port sizes 12/14
B	G1/4	M5
P	1/8 NPTF	M5
R	1/4 NPTF	M5
8	Ø 8 mm PIF	M5
Y	Ø 6 mm PIF	M5
2	Ø 3/8 PIF	M5

Accessories

DIN EN 50022 rail	
35 x 7,5 mm, 1m	V10009-C00 (0,31 kg)
35 x 15 mm, 1m	V10592-C01 (1,02 kg)
DIN rail (D) Mounting kit	V70531-KAO (0,01 kg)
Blanking disk to modular sub-base Ports 1, 3, 5	V70522-K00 (0,01 kg)
Blanking disk to modular sub-base Ports 12+14	V70523-K00 (0,01 kg)

Single station sub-base – side ported with pilot ports

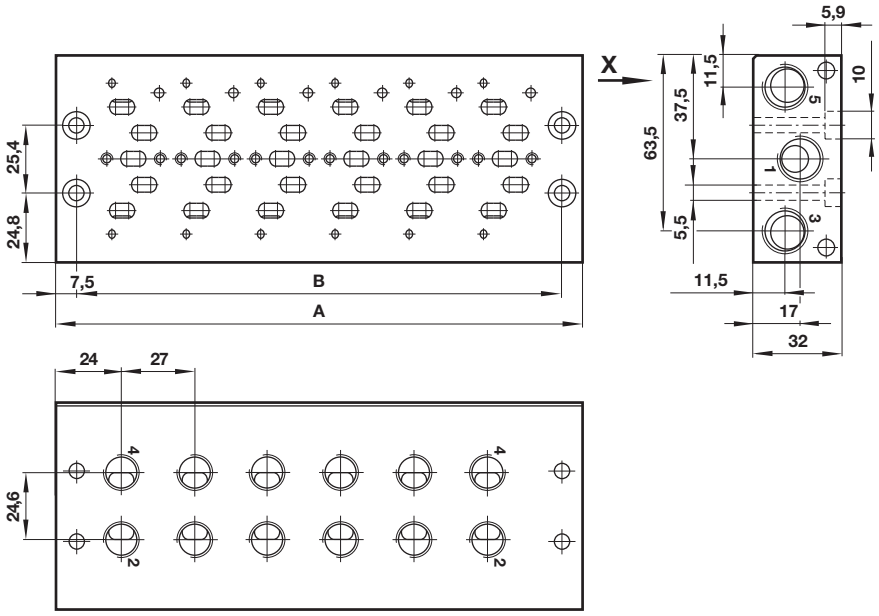
Dimensions in mm
Projection/First angle



Port size A	Model
G1/4 side ported with pilot ports 0,11 kg	V70501-BAB
NPTF1/4 side ported with pilot ports 0,24 kg	V70501-RAB

Note: Pilot ports = M5

Fixed length sub-base - bottom ported



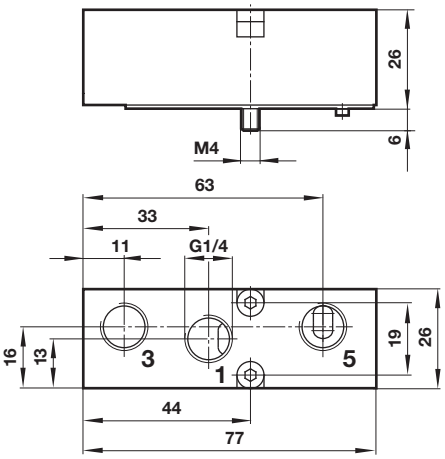
Number of stations	A	B	Weight (kg)	Model
2	83	68	0,4	V70502-xAO
4	137	122	0,65	V70504-xAO
6	191	176	0,91	V70506-xAO
8	245	230	1,15	V70508-xAO
10	299	284	1,41	V70510-xAO
12	353	338	1,66	V70512-xAO

x = Insert port type from table

Code	Ports 2 & 4	Ports 1, 3 & 5
B	G1/4	G3/8
R	1/4NPTF	3/8 NPTF

Note: This sub-base is suitable for solenoid pilot actuated valves with internal pilot air supply only

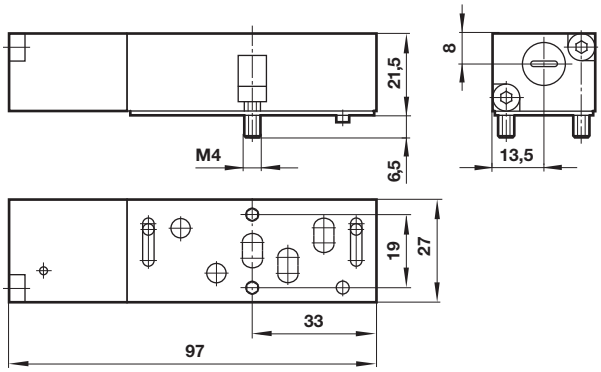
Intermediate supply/exhaust manifold

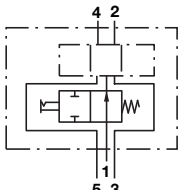


Port size A	Model
G1/4 (0,12 kg)	V70529-BAO

Single valve shut-off plate

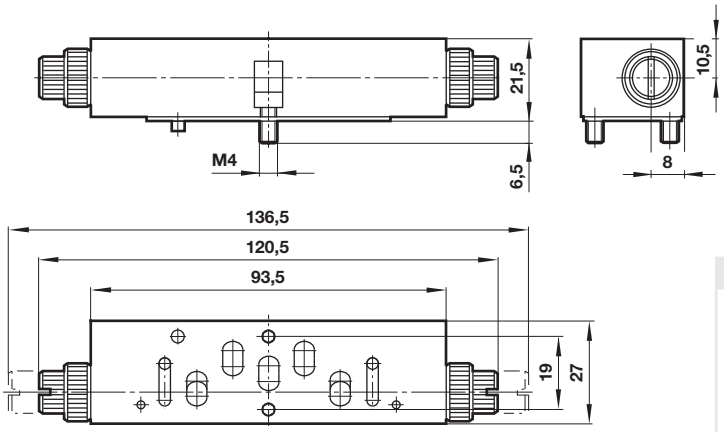
Dimensions in mm
Projection/First angle

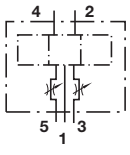


Symbol	Description	Model
	Single shut-off plate supplied with gasket (0,13 kg)	V70530-KAO

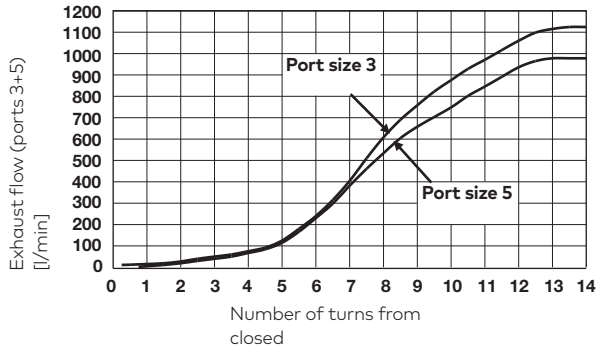
Allows individual exchange of valve, while valve island is pressurised by port 1.
Note: Flow restricted to max. 500 l/min.

Flow regulator plate



Symbol	Description	Model
	Flow regulator supplied with gasket (0,17 kg)	V70528-KAO

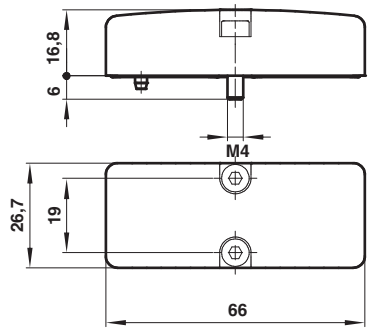
Flow characteristics for pressure regulator plates
Dual regulation of exhaust ports 3 & 5



Flow: Port 1 > 2 & 1> 4: remains unchanged
Flow measured at 6 bar inlet, pressure drop 1 bar

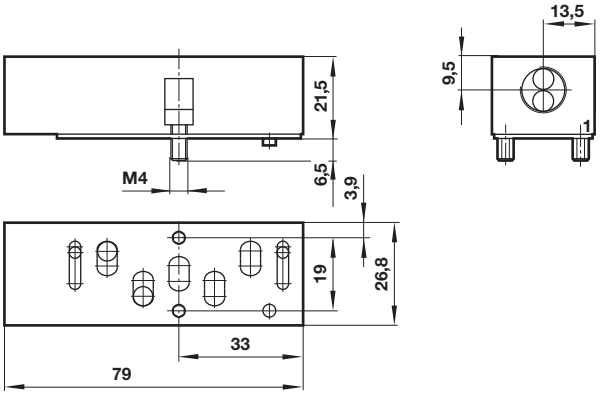
Blanking plate

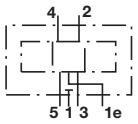
Dimensions in mm
Projection/First angle



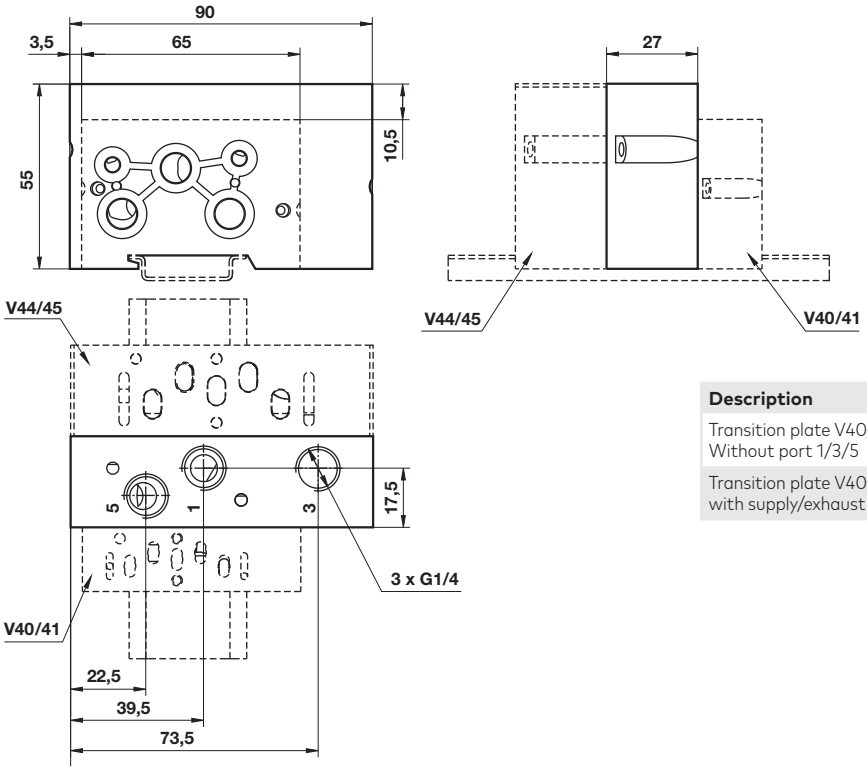
Description	Model
Blanking plate for blocking of unused stations (supplied with gasket, 0,03 kg)	V70500-KAO

Sandwich plate with additional pressure port 1



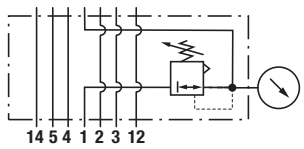
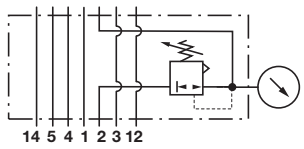
Symbol	Description	Model
	Sandwich plate with additional port 1 G1/4, supplied with gasket (0,12 kg)	V70535-BAO
	Sandwich plate with additional port 1 G1/4, supplied with gasket (0,12 kg)	V70535-RAO

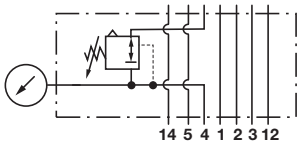
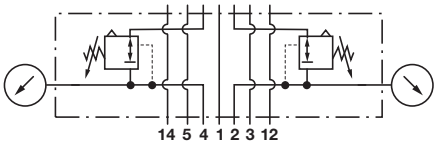
Transition plate #18 mm > #26 mm



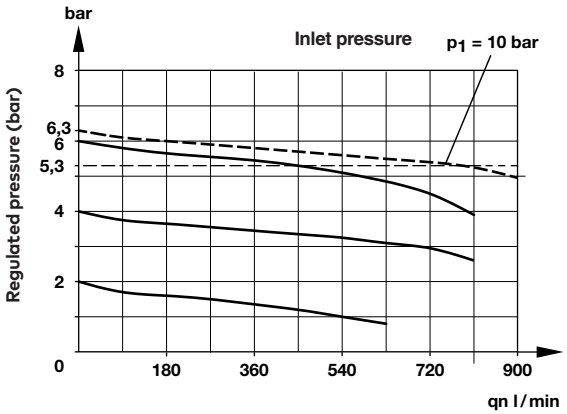
Description	Model
Transition plate V40/V41 » V44/V45 Without port 1/3/5	V70436-K0O
Transition plate V40/V41 » V44/V45 with supply/exhaust ports G1/4	V70436-B00

Sandwich plates
Pressure regulator sandwich plates

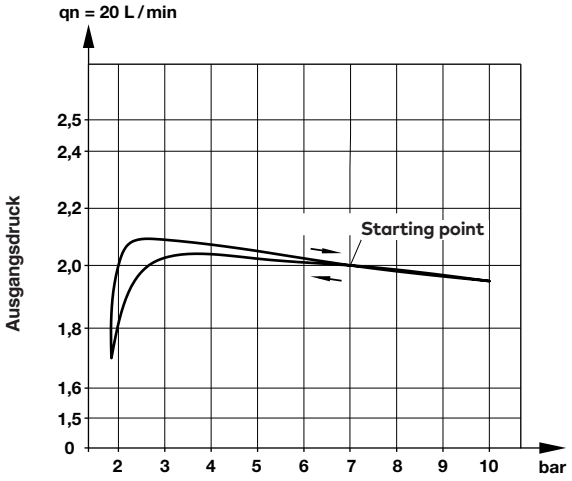
Symbol	Model	Description
	V70527-KA1	Regulation of port 1, regulator on side 12
	V70527-KA2	Regulation of port 2, regulator on side 1

Symbol	Model	Description
	V70527-KA3	egulation of port 4, regulator on side 14
	V70527-KA4	Regulation of ports 2+4

Flow characteristics for pressure regulator plates

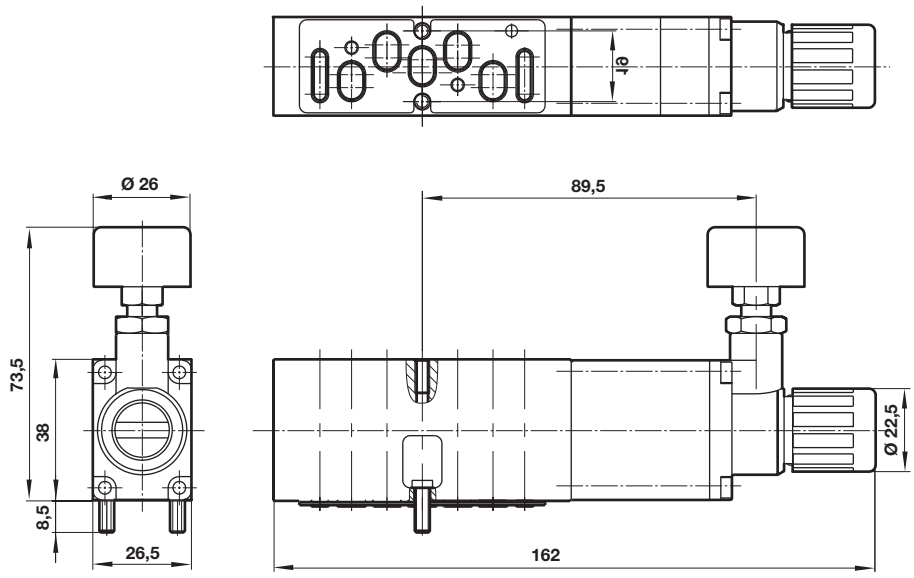


Hysteresis



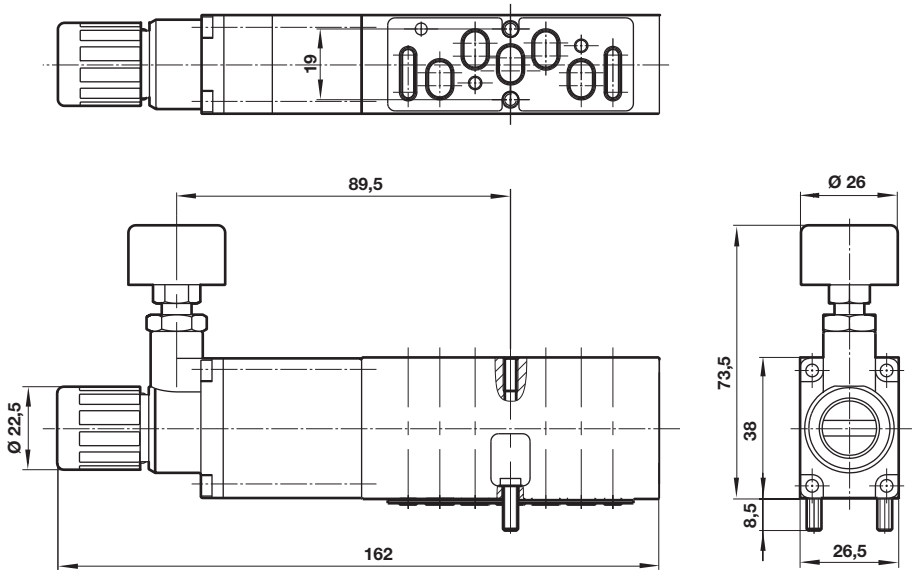
Pressure regulator plates V70527-KA1 & V70527-KA2 (including gauges)

Dimensions in mm
Projection/First angle

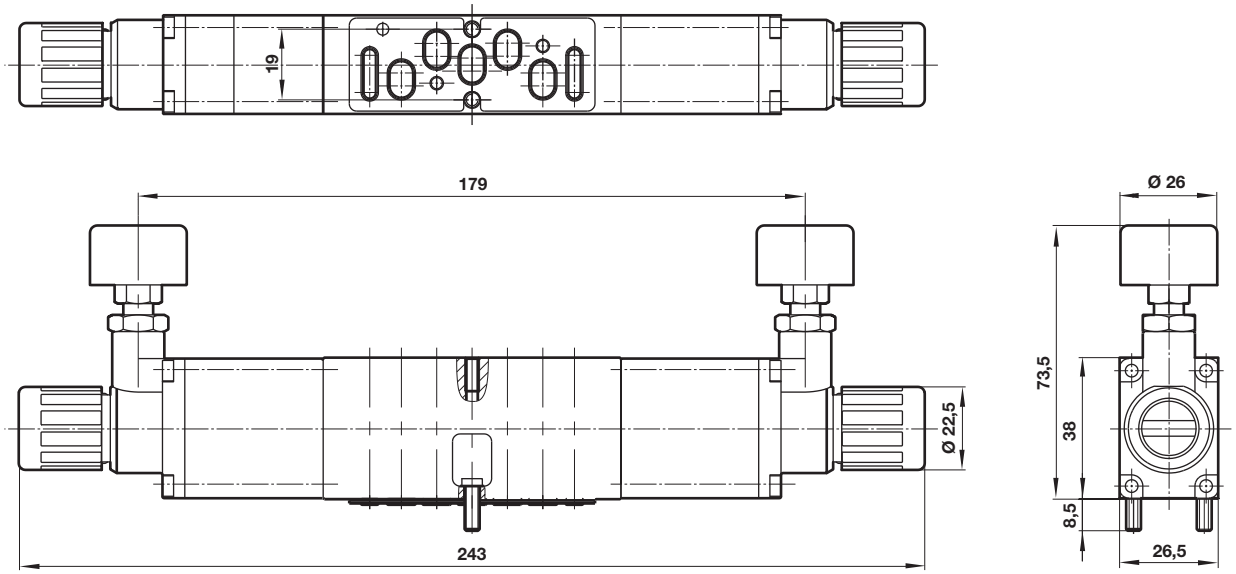


Pressure regulator plate V70527-KA3 (including gauges)

Dimensions in mm
Projection/First angle



Pressure regulator plate V70527-KA4 (including gauges)



Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under **»Technical features/ data«**.
Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult Norgren.
Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.
System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.
System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.

Serie V40/V41, 2 x 3/2, 5/2 & 5/3 Mini ISO Valves

2x3/2, 5/2 and 5/3 valves, ISO 15407-1/ VDMA 24 563, Size 18 mm

Solenoid and pilot actuated

High performance, compact design

Flexible sub-base system

Multipressure system capability

Dual spool technology:
- V40 Glandless spool and sleeve (long life)
- V41 Softseal spool (high flow)

Collected pilot exhaust with internal pilot air supply

Easy to convert from internal to external pilot supply

Valve exchange under pressure

Technical features

Medium:
Compressed air, filtered to 40 µm,
lubricated or non-lubricated

Operation:
V40: Glandless spool valve, solenoid pilot or air pilot actuated
V41: Softseal spool valve, solenoid pilot or air pilot actuated

Flow:
V41 Softseal:

Function	l/min	Cv	Kv
2x3/2	610	0,62	0,53
5/2	650	0,66	0,57
5/3	680	0,69	0,59

V40 Glandless:

Function	l/min	Cv	Kv
5/2	570	0,58	0,50
5/3	610	0,62	0,53

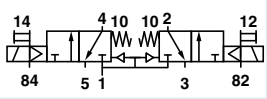
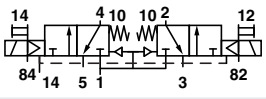
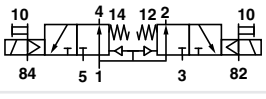
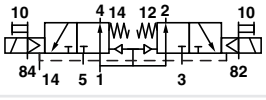
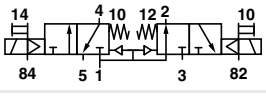
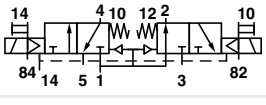
Mounting:
Sub-base

Operating pressure:
Maximum pressure
10 bar (145 psi) V41 models and V40 solenoid pilot actuated valves with internal pilot supply
16 bar (232 psi) V40 solenoid pilot actuated valves w. ext. pilot supply and V40 air pilot actuated valves
Details of minimum and maximum pilot pressure see overleaf

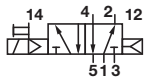
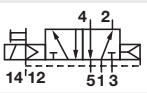
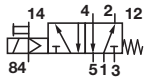
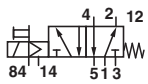
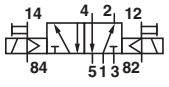
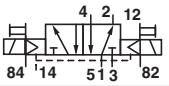
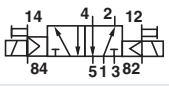
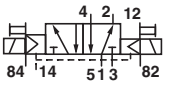
Media/Ambient temperature:
-15 ... +50°C (+5 ... 122°F)
V40/V41 solenoid and V41 air pilot models
-15 ... +80°C (+5 ... 176°F)
V40 air pilot models)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Materials:
Body: die-cast aluminium
Sub-base: aluminium alloy
Spool and sleeve: hard anodized, Teflon coated, matched aluminium (V40) or aluminium alloy spool (V41) with HNBR seals
Plastic parts: POM
Static seals: NBR
End cover and screws: zinc plated
Springs: stainless steel

2 x 3/2 Solenoid pilot actuated softseal valves

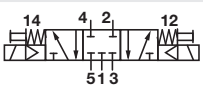
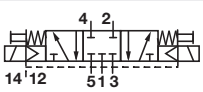
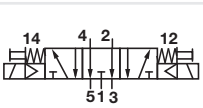
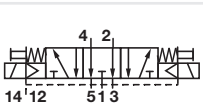
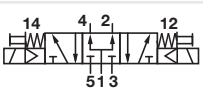
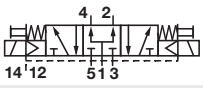
Symbol	Function 2 x 3/2	Actuation/ return	Pilot supply	Pilot exhaust	Operating pressure (bar)	Pilot pressure (bar)	Flow (l/min)	Model
	NC	Solenoid/Spring	Internal	Collected #	2,5 ... 10	–	610	V415A11D-*1)
	NC	Solenoid/Spring	External	Not collected	0 ... 10	1,7 + (0,35 x operating pressure)	610	V415A22D-*1)
	NO	Solenoid/Spring	Internal	Collected #	2,5 ... 10	–	610	V415B11D-*1)
	NO	Solenoid/Spring	External	Not collected	0 ... 10	1,7 + (0,35 x operating pressure)	610	V415B22D-*1)
	NO/NC	Solenoid/Spring	Internal	Collected #	2,5 ... 10	–	610	V415C11D-*1)
	NO/NC	Solenoid/Spring	External	Not collected	0 ... 10	1,7 + (0,35 x operating pressure)	610	V415C22D-*1)

5/2 Solenoid pilot actuated glandless and softseal valves

Symbol	Pilot supply	Pilot exhaust	Operator 14	Operator 12	Operating pressure (bar)	Pilot pressure (bar)	Sealing system	Flow (l/min)	Model
	Internal	Collected #	Solenoid	Air spring	1 ... 10	–	Glandless	570	V405513D-*1)
	Internal	Collected #	Solenoid	Air spring	1 ... 10	–	Soft seal	650	V415513D-*1)
	External	Not collected	Solenoid	Air spring	-0,9 ... 16	1 ... 10	Glandless	570	V405523D-*1)
	External	Not collected	Solenoid	Air spring	-0,9 ... 10	1 ... 10	Soft seal	650	V415523D-*1)
	Internal	Collected #	Solenoid	Spring & air spring	1,6 ... 10	–	Glandless	570	V405516D-*1)
	Internal	Collected #	Solenoid	Spring	2 ... 10	–	Soft seal	650	V415517D-*1)
	External	Not collected	Solenoid	Spring & air spring	-0,9 ... 16	1,6 ... 10	Glandless	570	V405526D-*1)
	External	Not collected	Solenoid	Spring	-0,9 ... 10	2 ... 10	Soft seal	650	V415527D-*1)
	Internal	Collected #	Solenoid	Solenoid	2 ... 10	–	Glandless	570	V405511D-*1)
	Internal	Collected #	Solenoid	Solenoid	2 ... 10	–	Soft seal	650	V415511D-*1)
	External	Not collected	Solenoid	Solenoid	-0,9 ... 16	2 ... 10	Glandless	570	V405522D-*1)
	External	Not collected	Solenoid	Solenoid	-0,9 ... 10	2 ... 10	Soft seal	650	V415522D-*1)
	Internal	Collected #	Solenoid (priority)	Solenoid	2 ... 10		Glandless	570	V405591D-*1)
	External	Not collected	Solenoid (priority)	Solenoid	-0,9 ... 16	2 ... 10	Glandless	570	V405592D-*1)

*1) Insert voltage code from tables on page 3
# Pilot exhaust collected and exhausted via port 14
NO = Normally open, NC = Normally closed

5/3 Solenoid pilot actuated glandless and softseal valves

Symbol	Function	Pilot supply	Pilot exhaust	Operator 14	Operator 12	Operating pressure (bar)	Pilot pressure (bar)	Sealing system	Flow (l/min)	Model
	APB	Internal	Collected #	Solenoid	Solenoid	2 ... 10	–	Glandless	610	V405611D-*1)
	APB	Internal	Collected #	Solenoid	Solenoid	2 ... 10	–	Soft seal	680	V415611D-*1)
	APB	External	Not collected	Solenoid	Solenoid	-0,9 ... 16	2 ... 10	Glandless	610	V405622D-*1)
	APB	External	Not collected	Solenoid	Solenoid	-0,9 ... 10	2 ... 10	Soft seal	680	V415622D-*1)
	COE	Internal	Collected #	Solenoid	Solenoid	2 ... 10	–	Glandless	610	V405711D-*1)
	COE	Internal	Collected #	Solenoid	Solenoid	2,5 ... 10	–	Soft seal	680	V415711D-*1)
	COE	External	Not collected	Solenoid	Solenoid	-0,9 ... 16	2 ... 10	Glandless	610	V405722D-*1)
	COE	External	Not collected	Solenoid	Solenoid	-0,9 ... 10	2,5 ... 10	Soft seal	680	V415722D-*1)
	COP	Internal	Collected #	Solenoid	Solenoid	2 ... 10	–	Glandless	610	V405811D-*1)
	COP	Internal	Collected #	Solenoid	Solenoid	2 ... 10	–	Soft seal	680	V415811D-*1)
	COP	External	Not collected	Solenoid	Solenoid	-0,9 ... 16	2 ... 10	Glandless	610	V405822D-*1)
	COP	External	Not collected	Solenoid	Solenoid	-0,9 ... 10	2 ... 10	Soft seal	680	V415822D-*1)

*1) Insert voltage code from tables below
# Pilot exhaust collected and exhausted via port 14
APB = All Ports Blocked COE = Centre Open Exhaust COP = Centre open pressure

Electrical details for solenoid operators

Voltage tolerances	-10%/+15%
Rating	100 % Continuous duty
Inlet orifice	0,8 mm
Electrical connection	15 mm DIN EN 175301-803 (DIN 43 650) Table C
Manual override	Shrouded push button, spring return Convertible into lockable type with set-up kit, part no. V70532-K00 (see next page)
Protection class	IP 65 with sealed plug (ISO 6952) NEMA 4
Materials	PPS (body), FPM and NBR (seal)

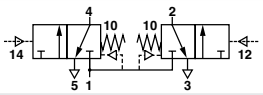
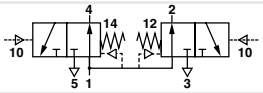
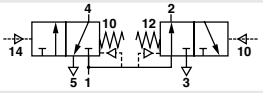
Intrinsically safe version available on request.

Voltage codes & spare pilots

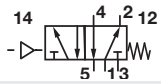
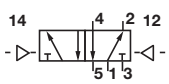
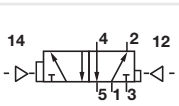
Voltage	Coil code	Current	Spare pilot valve
12 V d.c.	C312A	1 W	VZC7L2C1-C312A
24 V d.c.	C313A	1,2 W	VZC7L2C1-C313A
24 V 50/60 Hz.	C314A	2,1/1,5 VA	VZC7L2C1-C314A
48 V 50/60 Hz	C316A	2,1/1,5 VA	VZC7L2C1-C316A
110 V d.c.	C317A	1 W	VZC7L2C1-C317A
115 V 50/60 Hz	C318A	2,1/1,5 VA	VZC7L2C1-C318A
230 V 50/60 Hz	C319A	2,1/1,5 VA	VZC7L2C1-C319A

Other voltages available on request. Spare pilot valves are delivered with mounting screws.

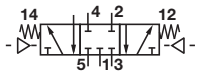
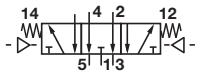
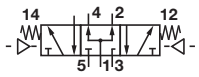
2 x 3/2 Air pilot actuated softseal valves

Symbol	Function 2 x 3/2	Actuation/return 2 x 3/2	Operating pressure (bar)	Pilot pressure (bar)	Sealing system	Flow (l/min)	Model
	NC	Air/Spring	0 ... 10	1,7 + (0,35 x operating pressure)	Soft seal	610	V415A33A-X0020
	NO	Air/Spring	0 ... 10	1,7 + (0,35 x operating pressure)	Soft seal	610	V415B33A-X0020
	NO/NC	Air/Spring	0 ... 10	1,7 + (0,35 x operating pressure)	Soft seal	610	V415C33A-X0020

5/2 Air pilot actuated glandless and softseal valves

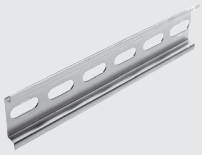
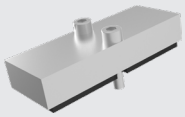
Symbol	Operator 14	Operator 12	Operating pressure (bar)	Pilot pressure (bar)	Sealing system	Flow (l/min)	Model
	Air	Spring	-0,9 ... 16	1,6 ... 16	Glandless	570	V405537A-X0090
	Air	Spring	-0,9 ... 10	2 ... 10	Soft seal	610	V415537A-X0090
	Air	Air	-0,9 ... 16	2 ... 16	Glandless	570	V405533A-X0020
	Air	Air	-0,9 ... 10	2 ... 10	Soft seal	610	V415533A-X0020
	Air (priority)	Air	-0,9 ... 16	2 ... 16	Glandless	570	V405533A-X0070

5/3 Air pilot actuated glandless and softseal valves

Symbol	Function	Operator 14	Operator 12	Operating pressure (bar)	Pilot pressure (bar)	Sealing system	Flow (l/min)	Model
	APB	Air	Air	-0,9 ... 16	2 ... 16	Glandless	610	V405633A-X0020
	APB	Air	Air	-0,9 ... 10	2 ... 10	Soft seal	680	V415633A-X0020
	COE	Air	Air	-0,9 ... 16	2 ... 16	Glandless	610	V405733A-X0020
	COE	Air	Air	-0,9 ... 10	2,5 ... 16	Soft seal	680	V415733A-X0020
	COP	Air	Air	-0,9 ... 16	2 ... 16	Glandless	610	V405833A-X0020
	COP	Air	Air	-0,9 ... 10	2 ... 10	Soft seal	680	V415833A-X0020

Valve function: NO = Normally open, NC = Normally closed
APB = All Ports Blocked, COE = Centre Open Exhaust, COP = Centre Open Pressure

Accessories

DIN EN 50 022 rail (1 m)	DIN-rail mounting kit	Blanking disc to modular sub-base	Manual override set-up kit	Blanking plate for unused station	Transition plate V40/V41 » V44/V45
					
					Page 11
V10009-C00 (35 x 7,5 mm)	V70531-KA0	V70422-K50 (Ports 1,3,5))	V70532-K00	V70400-K50	V70436-K00
V10592-C01 (35 x 15 mm)		V70423-K50 (Ports 12 & 14)			V70436-B00 *1)

*1) With supply and exhaust ports

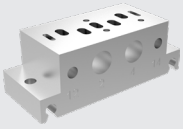
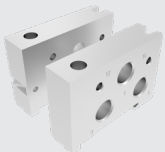
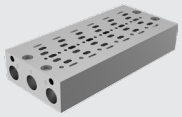
Connector plug - ordered separately

Blanking Plug for Fixed Length Sub-base	I15 mm DIN EN 175301-803 (DIN 43 650) Table C
	
V70421-K50 (Ports 1, 3, 5)	V10027-D00 250 V a.c./300 V d.c.

Sandwich plates

Intermediate supply/ exhaust manifold	Single valve shut-off plate	Single pressure regulator plate	Double pressure regulator plate	Flow regulator plate	Sandwich plate with additional pressure port 1
					
Page 10	Page 10	Page 12 & 13	Page 13	Page 10	Page 11
V70429-A50 (G1/8)	V70430-K50 (Port 1 blocked)	V70427-K51 (Port 1 reg.)	V70427-K54 (Ports 2+4 reg.)	V70428-K50 (Ports 3+5 reg.)	V70435-A50 (G1/8)
V70429-P50 (1/8 NPTF)		V70427-K52 (Port 2 reg.)			V70435-P50 (1/8NPTF)
		V70427-K53 (Port 4 reg.)			

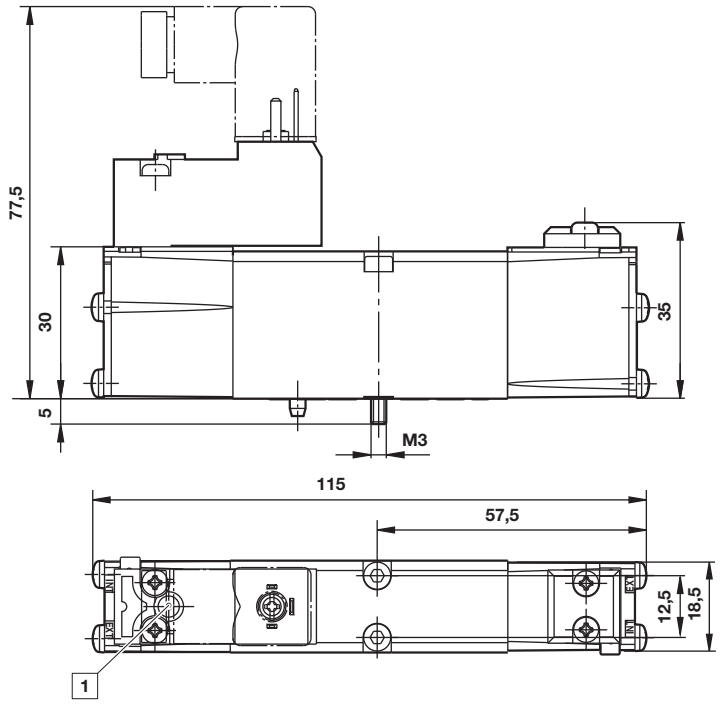
Sub-bases and end plates

Single station sub-base	Double station modular sub-base (on side)	Single station modular sub-base (bottom)	End plate kit	Fixed length sub-base
				
Page 7	Page 8 & 9	Page 8 & 9	Page 8 & 9	Page 9
V70401-A5B (G1/8)	V70425-x5F	V70425-A5E	V70424-B5C (G1/4) End ported end caps1 left & 1 right	V704**-A50 (G1/8)
	V70426-y5F	V70426-A5E	V70424-R5C (1/4NPTF) End ported end caps1 left & 1 right	V704**-P50 (1/8NPTF)
	V70432-x5F (without pilot ports))		1/3/5 G1/4, 2/4 G1/8: V70431-A5F End ported end caps1 left & 1 right	** = 02, 04, 06, 08, 10, 12 stations
			1/3/5 1/4NPTF, 2/4 1/8NPTF: V70431-P5F End ported end caps1 left & 1 right	

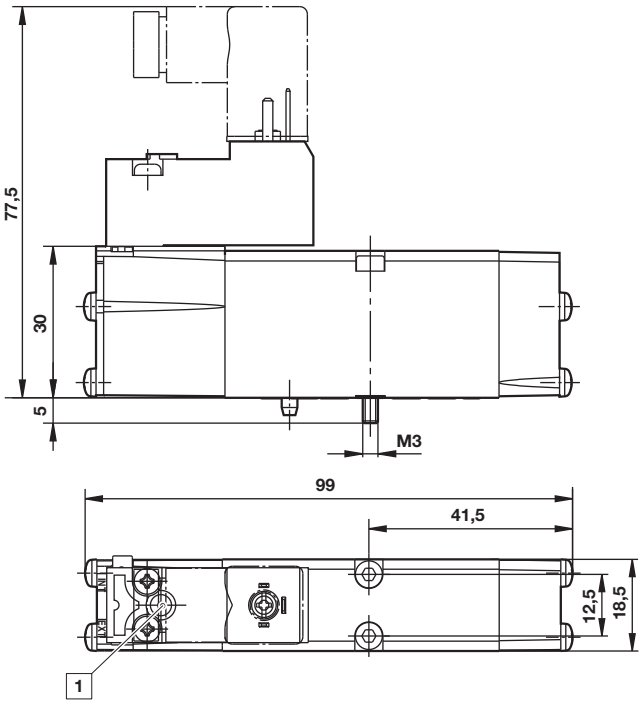
Valve dimensions

Dimensions in mm
Projection/First angle

V4155*3D-C3***
5/2 Single solenoid pilot valve
Air spring return

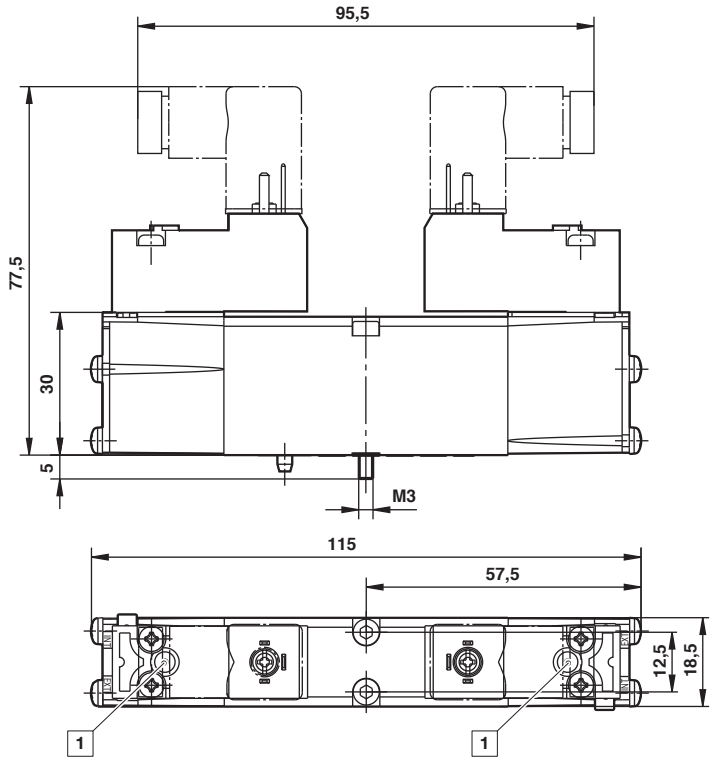


V4055D-C3*****
5/2 Single solenoid pilot valve
Mechanical (& air) spring valve

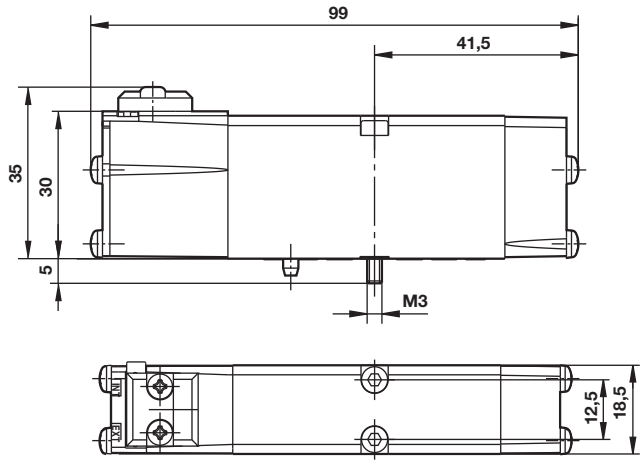


1 Manual override

V4055D-C3*** & V4155**D-C3*****
5/2 Double solenoid pilot valve
V405*D-C3*** & V415***D-C3*****
2x3/2 + 5/3 Double solenoid pilot valve

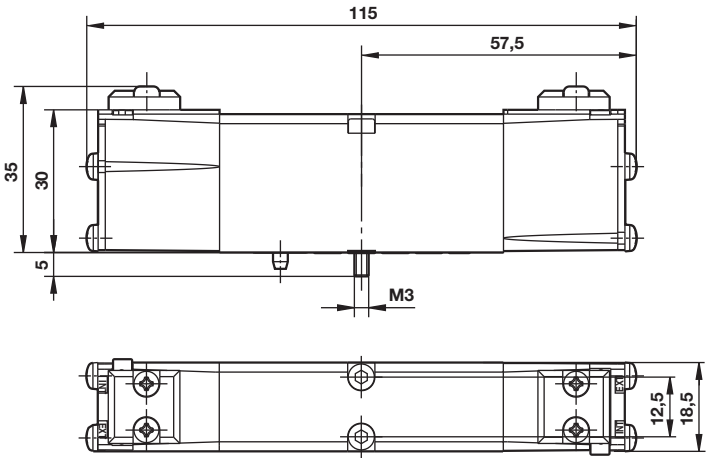


V415537A-X0090
5/2 Single air pilot valve

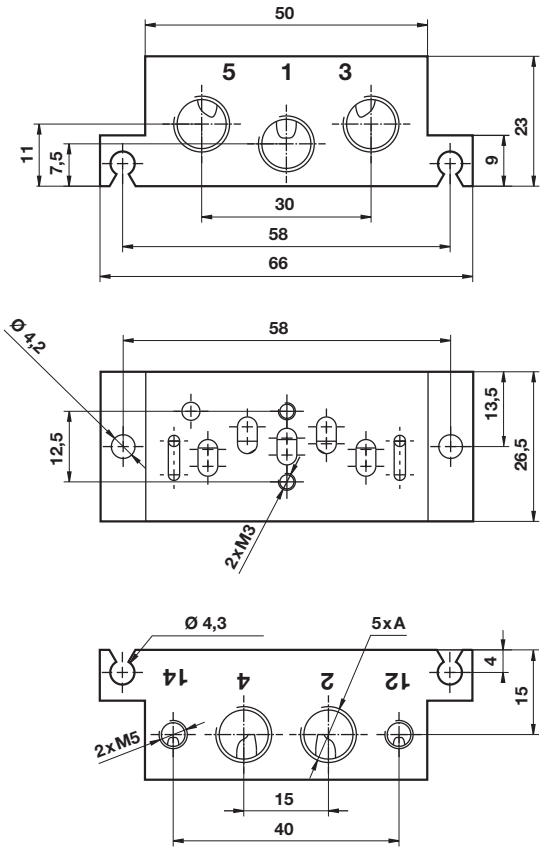


V405537A-X0090
5/2 Single air pilot valve
V405*33A-X00*0 & V415*33A-X00*0
2x3/2, 5/2 + 5/3 Double air pilot valve

Dimensions in mm
Projection/First angle



Single station sub-base – side ported with pilot ports

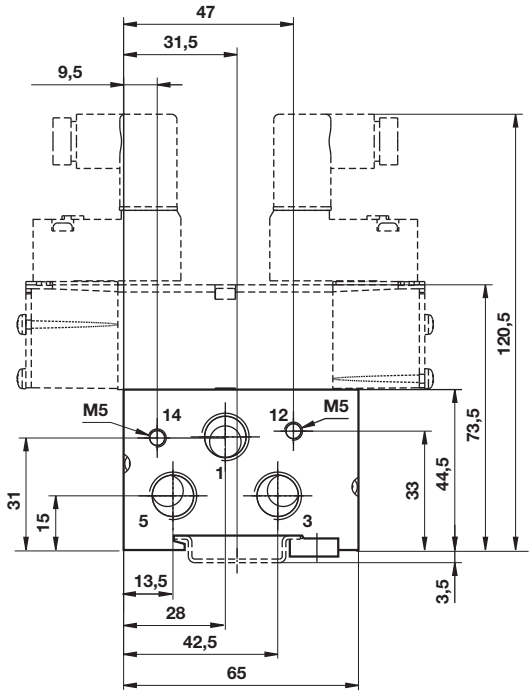


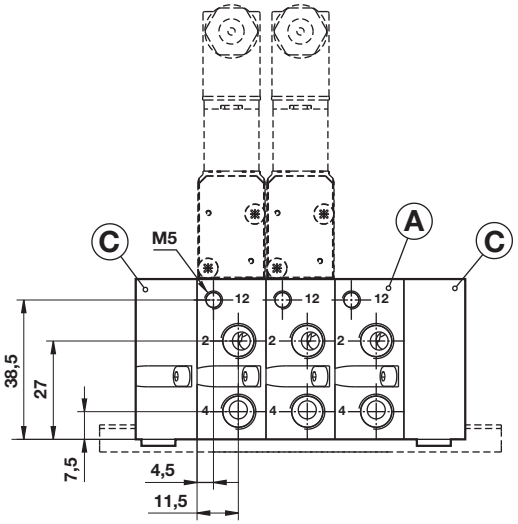
Port size A	Model
G1/8 side ported with pilot ports	V70401-A5B

Note: Pilot ports = M5

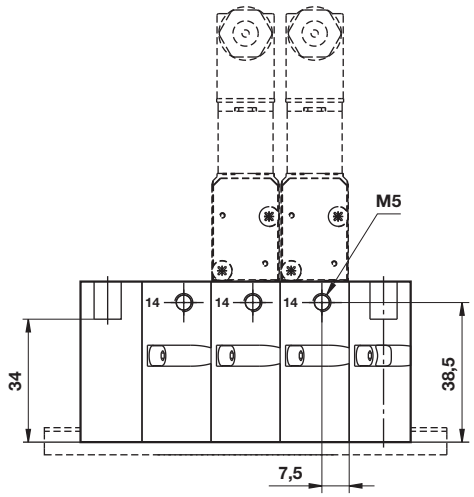
Side ported sub-base

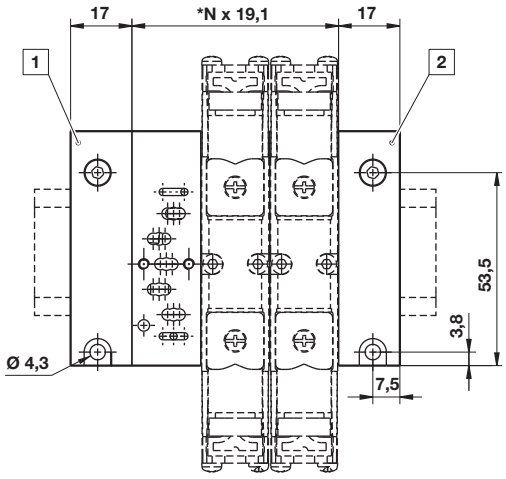
Dimensions in mm
Projection/First angle





Bottom and side ported sub-base





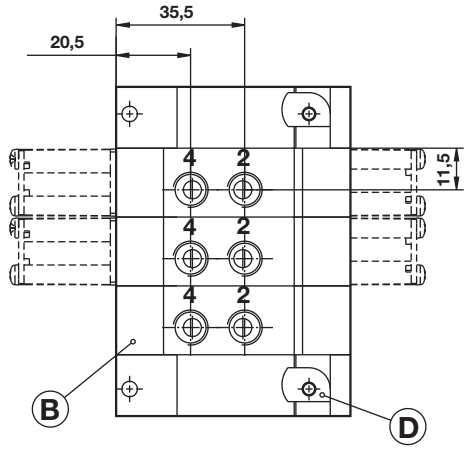
N = number of stations
x/y = Insert port type from table below

1 Right hand side
2 Left hand side

Code x	Code y	Ports 2 & 4	Ports
A	A	G1/8	M5
P	P	1/8 NPTF	M5
8	-	Ø 8 mm PIF	M5
6	-	Ø 6 mm PIF	M5
1	-	Ø 1/4" PIF	M5

Modular sub-bases parts for DIN rail or surface mounting
Bottom ported sub-base

Dimensions in mm
Projection/First angle



Note: Port 14 either used for external pilot air supply or for collected pilot air exhaust. Therefore, never plug port 14 when using valves with internal pilot air supply. Port 12 is not used, plugging not necessary.

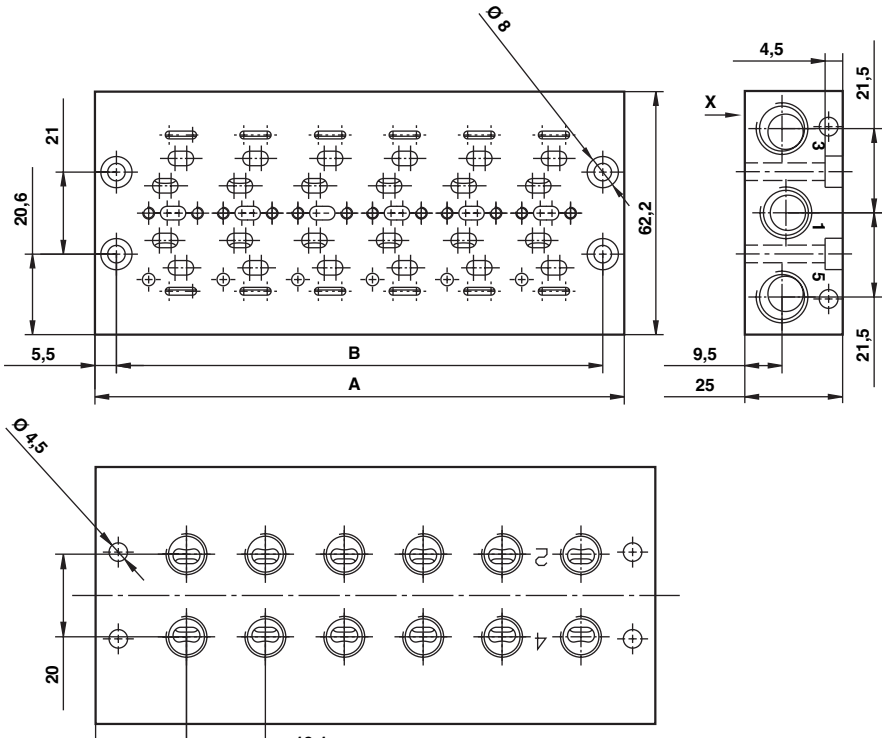
Individual components

Modular sub-base (A)	Ports 2+4 on side	V70425-x5F		
Double station modular sub-base	Ports 2+4 on side	V70432-y5F		
Modular sub-base (A)	Ports 2+4 on side	Pilot ports 12+14 on side	V70426-x5F	
Modular sub-base (B)	Ports 2+4 on bottom	V70425-A5E		
Modular sub-base (B)	Ports 2+4 on bottom	Pilot ports 12+14 on side	V70426-A5E	
End plate kit (C)	End ported	V70424-B5C (G1/4)	V70424-R5C (1/4NPTF)	End ported end caps 1 left hand and 1 right hand
End plate kit with valve station	Ports 2+4 on side	V70431-A5F (1/3/5 G1/4, 2/4 G1/8)	V70431-P5F (1/3/5 1/4NPTF, 2/4 1/8NPTF)	End ported end caps 1 left and 1 right

Accessories

DIN EN 50022 rail	35 x 7,5 mm, 1m	V10009-C00
DIN EN 50022 rail	35 x 15 mm, 1m	V10592-C01
DIN rail (D)	Mounting kit	V70531-KAO
Blanking disk to modular sub-base	Ports 1, 3, 5	V70422-K50
Blanking disk to modular sub-base	Ports 12+14	V70423-K50

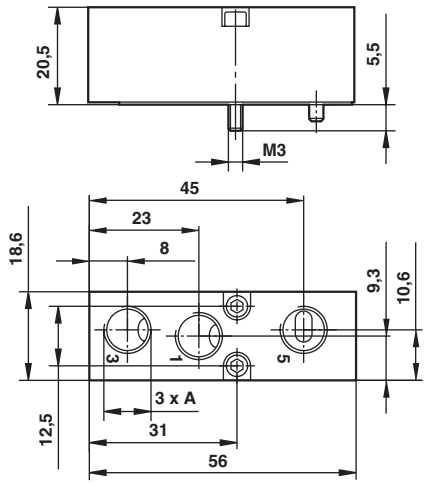
Fixed length sub-base - bottom ported



Number of stations	A	B	Ports 2 & 4	Ports 1, 3 & 5	Model
2	59,1	48,1	G1/8	G1/4	V70402-A5O
4	97,3	86,3	G1/8	G1/4	V70404-A5O
6	135,5	124,5	G1/8	G1/4	V70406-A5O
8	173,7	162,7	G1/8	G1/4	V70408-A5O
10	211,9	200,9	G1/8	G1/4	V70410-A5O
12	250,1	239,1	G1/8	G1/4	V70412-A5O

Note: This sub-base is suitable for solenoid pilot actuated valves with internal pilot air supply only

Intermediate supply/exhaust manifold



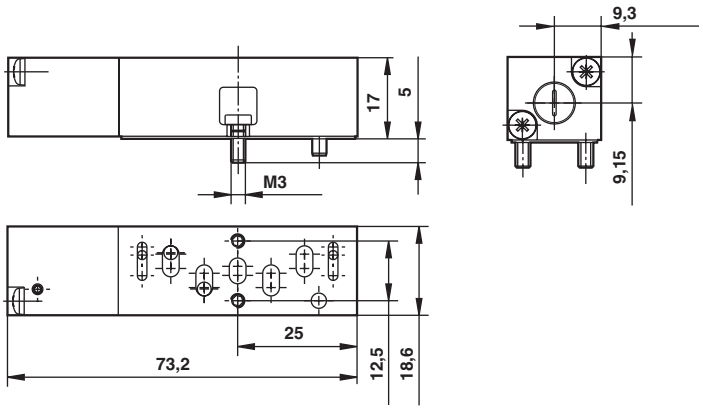
Port size A	Model
G1/8	V70429-A5O

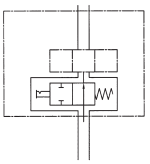
Provides additional porting on modular- or fixed length sub-base.
Occupies one valve station. Supplied with gasket for both sub-bases.
Can be used to:

- Improve supply flow
- Increase exhaust capacity
- Pneumatically separate valves for fail-safe emergency
- Multipressure system and system solutions

Single valve shut-off plate

Dimensions in mm
Projection/First angle

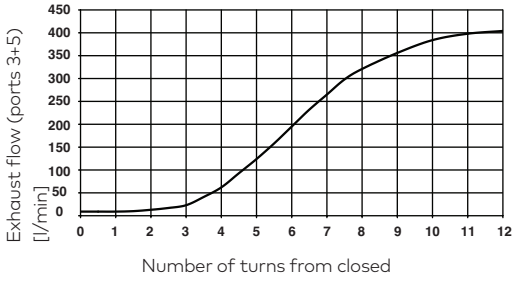


Symbol	Description	Model
	Single shut-off plate supplied with gasket	V70430-K5O

Allows individual exchange of valve, while valve island is pressurised by port 1.
Note: Flow restricted to max. 240 l/min.

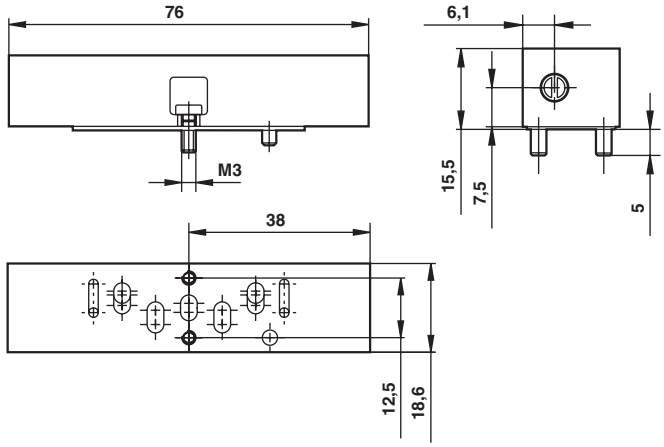
Flow characteristics for pressure regulator plates

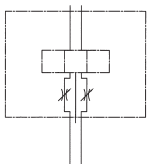
Dual regulation of exhaust ports 3 & 5



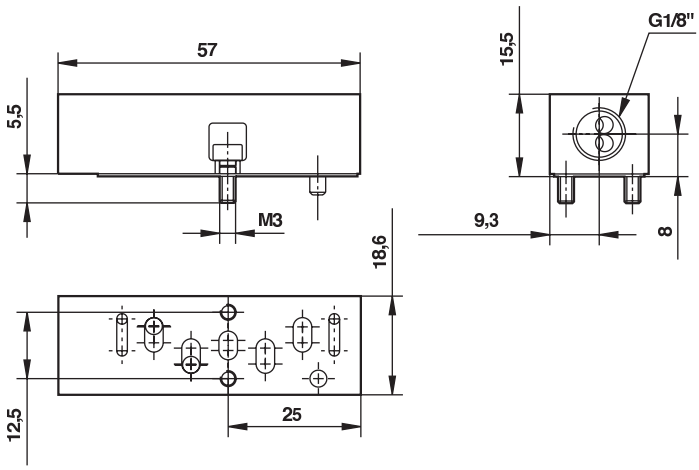
Flow: Port 1 > 2 & 1> 4: remains unchanged
Flow measured at 6 bar inlet, pressure drop 1 bar

Flow regulator plate



Symbol	Description	Model
	Flow regulator supplied with gasket	V70428-K5O

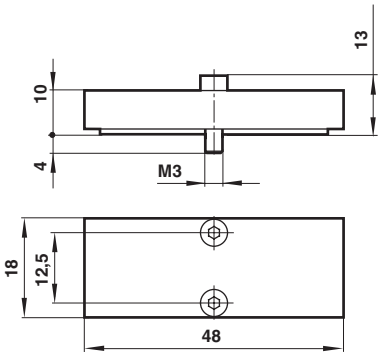
Sandwich plate with additional pressure port 1



Description	Model
Sandwich plate with additional port 1 G1/8, supplied with gasket	V70435-A5O

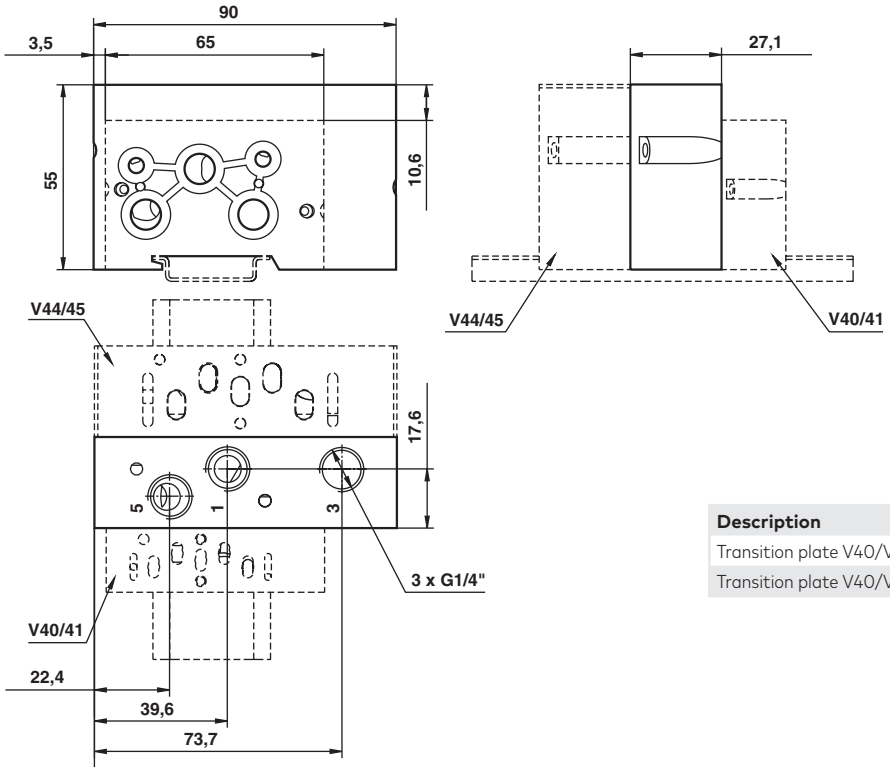
Blanking plate

Dimensions in mm
Projection/First angle



Description	Model
Blanking plate for blocking of unused stations (supplied with gasket)	V70400-K5O

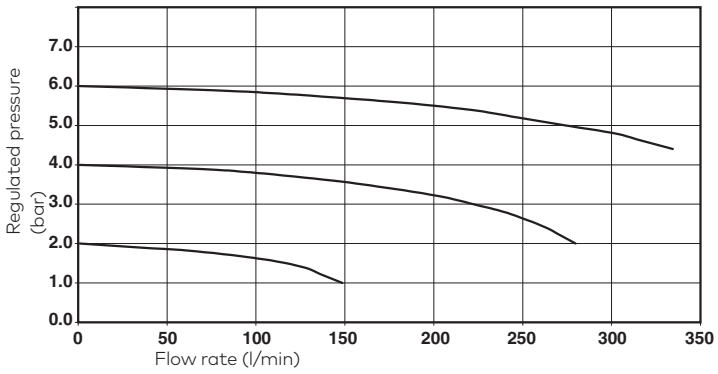
Transition plate #18 mm > #26 mm



Description	Model
Transition plate V40/V41 » V44/V45 Without port 1/3/5	V70436-K0O
Transition plate V40/V41 » V44/V45 with supply/exhaust ports G1/4	V70436-B00

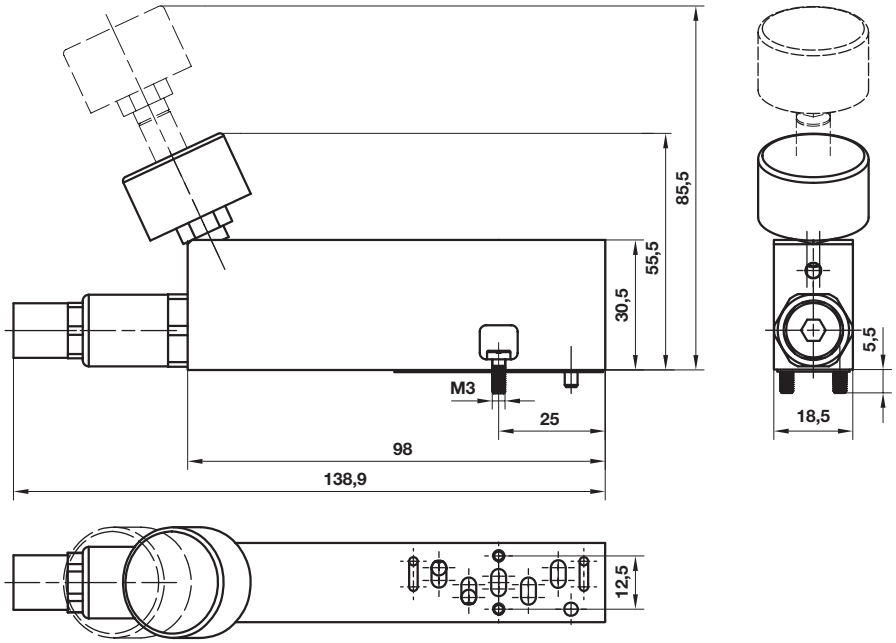
Flow characteristics for pressure regulator plates

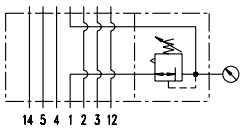
Inlet pressure = 8 bar



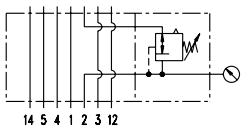
Dimensions in mm
Projection/First angle

Pressure regulator plates (including gauge and adaptor tube)



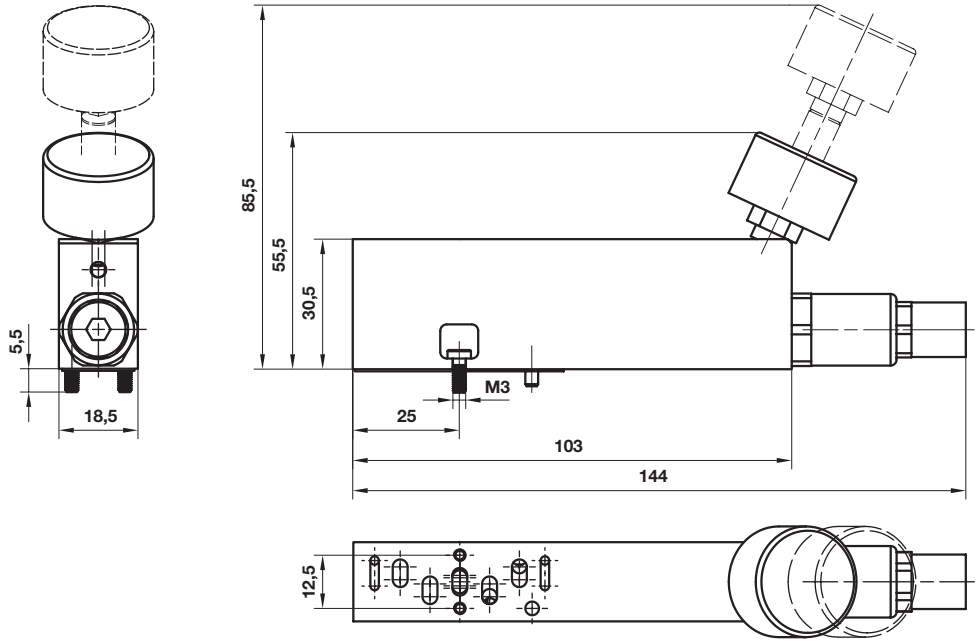
Symbol	Description	Model
	Regulation of port 1	V70427-K51

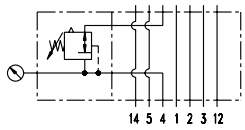
Maximum inlet pressure 16 bar. Regulated pressure 1 ... 10 bar

Symbol	Description	Model
	Regulation of port 2	V70427-K52

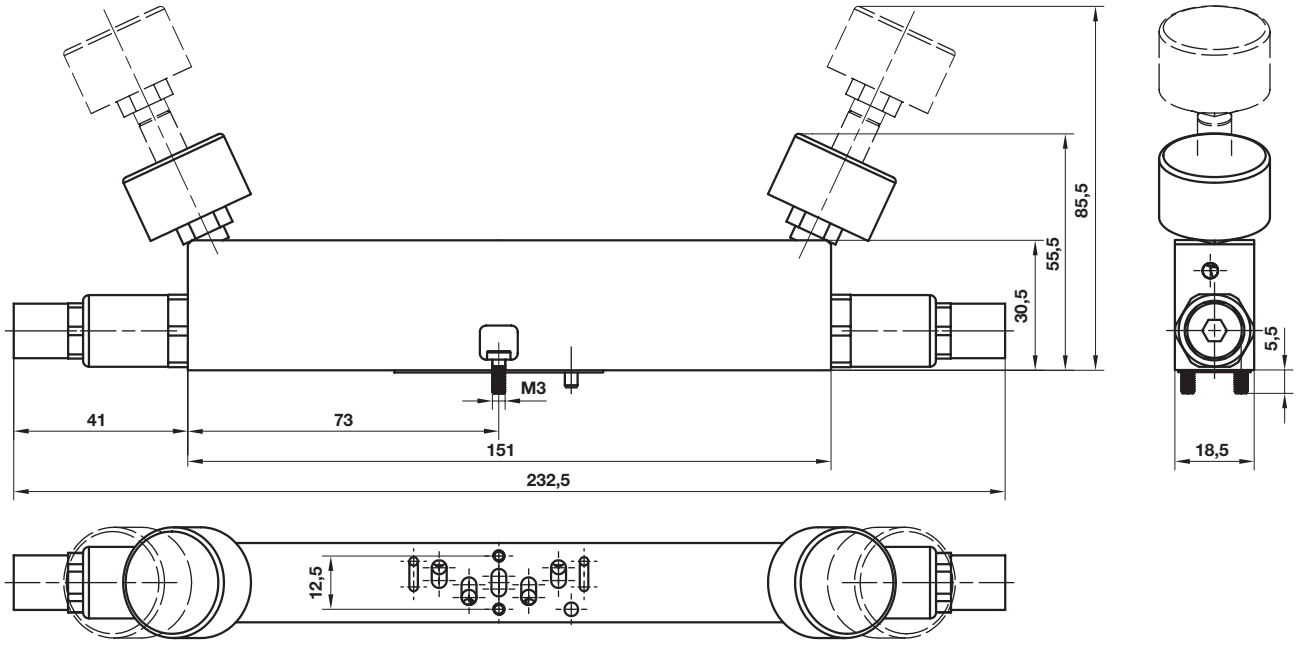
Maximum inlet pressure 16 bar. Regulated pressure 1 ... 10 bar

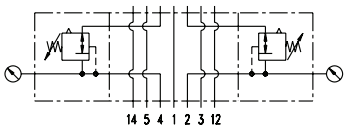
Dimensions in mm
Projection/First angle



Symbol	Description	Model
	Regulation of port 4	V70427-K53

Maximum inlet pressure 16 bar. Regulated pressure 1 ... 10 bar

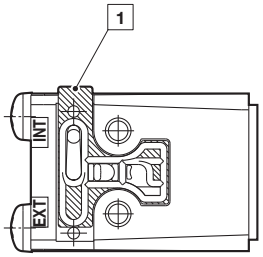


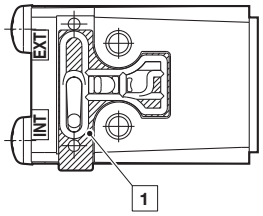
Symbol	Description	Model
	Regulation of ports 2+4	V70427-K54

Maximum inlet pressure 16 bar. Regulated pressure 1 ... 10 bar

Conversion from internal to external pilot supply / Collected pilot exhaust
The lowered and captive gasket between valve body and pilot valve defines and indicates pilot air supply as well as pilot exhaust function of the valve.

Solenoid pilot actuated valves
Drawing shows no pilot valve.





1 Blue gasket

Internal pilot supply, pilot exhaust air collected and exhausted via port 14.
All solenoid pilot valves with code 1 at position 6 in the part number (e.g V41551...) have the gasket mounted in this position on delivery.

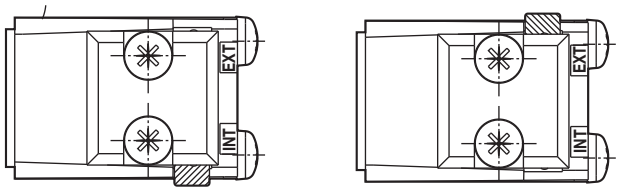
External pilot supply from port 14 only, pilot exhaust air not collected but bleed through valve body.
All solenoid pilot valves with code 2 at position 6 in the part number (e.g V41552...) have the gasket mounted in this position on delivery.

Note: Dismounting pilot valve gives access to gasket. Convertion from internal to external pilot supply (or vice versa) by turning the gasket.
Caution: In this case part number and symbol on label shows different function. Therefore check gasket position when mounting valve.

V40-5/2 Solenoid pilot actuated valves with air spring return
Additional to above described work, gasket between end cap and valve body must be turned too at valves with this function.
For detailed instructions see Installation- and Maintenance Sheet.

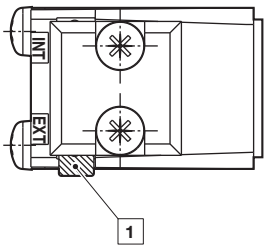
Drawing shows end cap side 12.

V41-5/2 Solenoid pilot actuated valves with air spring return
Additional to above described work, gasket between cover plate and end cap must be turned too at valves with this function.
For detailed instructions see Installation- and Maintenance Sheet.



Drawing shows end cap side 12.

Air pilot actuated valves
Drawing includes cover plate.



1 Blue gasket

Air pilot actuated valves
External pilot supply.

Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under **»Technical features/ data«**.
Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult Norgren.
Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.
System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.
System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.

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