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

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Технические характеристики на клапаны сброса давления 07 Series, Excelon, Olympian Plus компании IMI NORGREN

- **Port size: 1/4” or 3/8” (ISO G/NPT)**
- **Excelon design allows in-line installation or modular installation with other Excelon products**
- **Push to lock adjusting knob with tamper resistant accessory**
- **Helps protect air operated equipment from over pressurisation**
- **Norgren pressure relief valves comply with category O(S.E.P.) and category 1 of the Pressure Equipment Directive 97/23/EC.**

Technical features

Medium:
Compressed air only
Maximum operating pressure:
20 bar (145 psi)
Relief pressure range:
Standard
0,3 ... 10 bar (4 ... 145 psi)
0,3 ... 4 bar (4 ... 58 psi) optional,
0,3 ... 2 bar (4 ... 29 psi) optional

Port size:
G1/4, G3/8, 1/4” or 3/8” NPT
Exhaust port:
Rc1/4 with ISO G main ports
1/4 PTF with PTF main ports
Gauge port:
Rc 1/8 with ISO G main ports
1/8 PTF with PTF main ports

Ambient/Media temperature:
-34° ... +65°C (-30° ... +149°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Materials:
Body: Zinc
Bottom plug: Acetal
Bonnet: Acetal
Elastomers: CR

Technical data - standard models

Symbol	Port size	Size	Pressure range (bar)	Weight (kg)	Model
	G1/4	Basic	0,3 ... 10	0,33	V72G-2GK-NMN
	G3/8	—	0,3 ... 10	0,33	V72G-3GK-NMN

Option selector

V72G-★★K-N★★

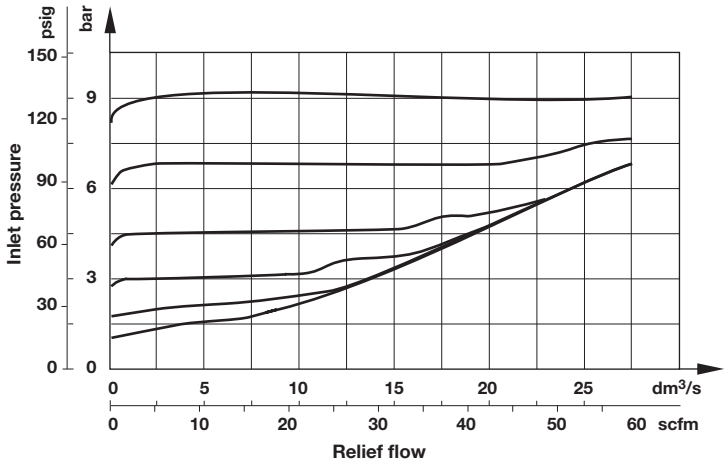
Port size	Substitute
1/4”	2
3/8”	3
Thread form	**Substitute**
PTF	A
ISO G parallel (standard)	G

Gauge	Substitute
With	G
Without (standard)	N
Relief pressure adjustment range *1)	**Substitute**
0,3 ... 2 bar	C
0,3 ... 4 bar	F
0,3 ... 10 bar (standard)	M

*1) Relief valve can be adjusted to pressures in excess of, and less than, those specified. Do not use these units to control pressures outside of the specified ranges.

Flow characteristics

Inlet pressure: 10 bar (145 psi)
Port size: 1/4”



Accessories

Universal mounting bracket	Quikclamp®	Quikclamp with wall bracket®	Neck mounting bracket	Panel nut
				
Page 4	**Page 3**	**Page 3**	**Page 4**	
4224-50	4214-51	4214-52	74316-50	4248-89

Tamper resistant kit	Quikmount pipe adaptor *1)	Porting block with three alternative 1/4“ ports	2/2 Shut-off valves (for full technical specification see datasheet 8.160.600)	3/2 Shut-off valves (for full technical specification see datasheet 8.160.600)
				
	Page 3	**Page 3**	**Page 4**	**Page 4**
4255-51	G1/4: 4215-08	G1/4: 4216-52	G1/4: T72B-2GA-P1N	G1/4: T72T-2GA-P1N
	G3/8: 4215-09	1/4 PTF: 4216-50	G3/8: T72B-3GA-P1N	G3/8: T72T-3GA-P1N
	1/4 PTF: 4215-02		1/4 PTF: T72B-2AA-P1N	1/4 PTF: T72T-2AA-P1N
	3/8 PTF: 4215-03		3/8 PTF: T72B-3AA-P1N	3/8 PTF: T72T-3AA-P1N

*1) Please use a Quikmount pipe adaptor if the Quikclamp be mounted at inlet or outlet side.

Pressure switch

Porting block for pressure switch	Pressure switch (0,5 ... 8 bar)
	
0523109000000000	0881300000000000

Padlock

Padlock (brass) with two keys *1)

0613633000000000

*1) for shut-off valves and tamper resistant kit

Service kit

Service kit

4209-03

Gauge

Center back connection, white face (for full technical specification see datasheet 8.900.900)

Pressure range bar *1	Mpa	psi	Ø	Thread size	Model
0 ... 2,5	—	0 ... 36	40 mm	R1/8	18-015-886
0 ... 4	0 ... 0,4	0 ... 58	40 mm	R1/8	18-015-990
0 ... 10	0 ... 1	0 ... 145	40 mm	R1/8	18-015-989

*1) primary scale

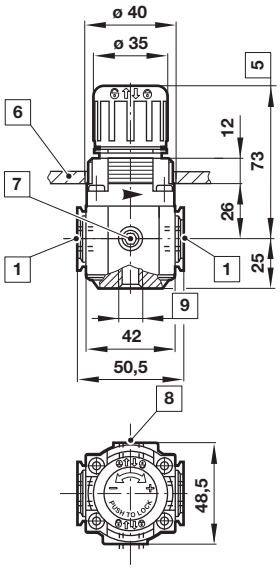
Center back connection, black face for North America (for full technical specification see datasheet 8.900.900)

Pressure range psig *1	bar	Mpa	Ø	Thread size	Model
0 ... 30	0 ... 2	0 ... 0.2	1.5" (40 mm)	1/8 NPT	18-015-214
0 ... 60	0 ... 4	0 ... 0.4	1.5" (40 mm)	1/8 NPT	18-015-211
0 ... 160	0 ... 11	0 ... 1.1	1.5" (40 mm)	1/8 NPT	18-015-212

*1) primary scale

Drawings

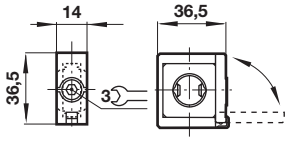
Dimensions in mm
Projection/First angle



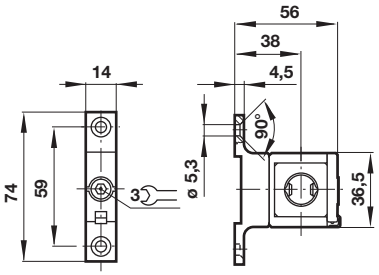
1 Main ports 1/4" or 3/8"
5 Reduces by 4 mm with knob in locked position
6 Panel thickness 0 ... 4 mm
7 Gauge port 1/8" plugged
8 Alternative gauge port 1/8" plugged
9 Exhaust port 1/4"

Accessories

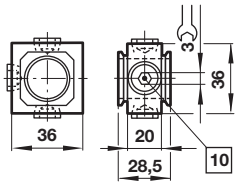
Quikclamp®



Quikclamp® with wall bracket

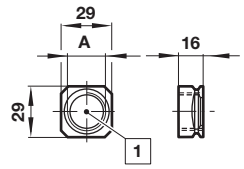


Porting block



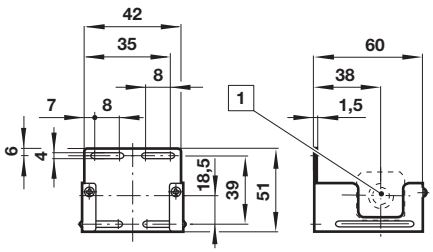
10 Ports (G1/4 or 1/4 NPT) plugged

Pipe adapter



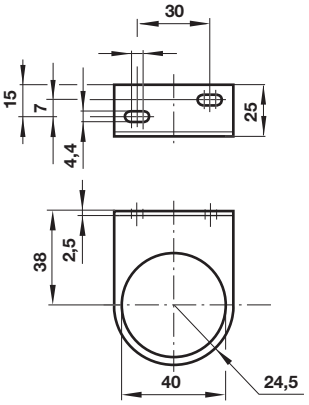
1 Main ports 1/4" or 3/8" ISO G/PTF

Wall mounting bracket

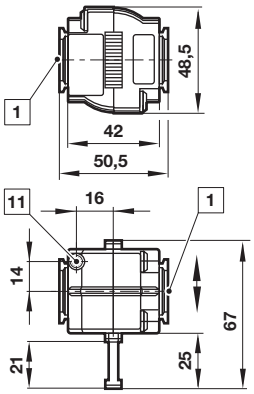


1 Main ports

Neck mounting bracket

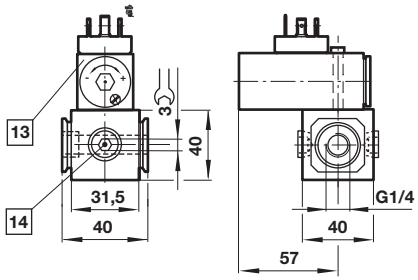


Shut-off valves



1 Main ports 1/4" or 3/8" ISO G/PTF
11 Exhaust port M5 at 3/2 valve only

Porting block for pressure switch



13 Pressure switch is not in scope of delivery
14 Alternative G1/4 ports plugged

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.

- **Port size: 3/8” ... 3/4” (ISO G/NPT)**
- **Excelon design allows in-line installation or modular installation with other Excelon products**
- **Push to lock adjusting knob with optional tamper resistant accessory**
- **Helps protect air operated equipment from over pressurisation**
- **Norgren pressure relief valves comply with category O(S.E.P.) and category 1 of the Pressure Equipment Directive 97/23/EC.**

Technical features

Medium:
Compressed air only
Maximum operating pressure:
17 bar (246 psi)
Relief pressure range:
Standard
0,3 ... 10 bar (4 ... 145 psi)
Optional
0,3 ... 4 bar (4 ... 58 psi)
0,7 ... 17 bar (10 ... 250 psi)

Port size:
G3/8, G1/2, G3/4, 3/8 PTF, 1/2 PTF or 3/8 PTF
Gauge port:
Rc 1/8 with ISO G main ports
1/4 PTF with PTF main ports
Relief port:
Same size as the main ports

Ambient/Media temperature:
-34° ... +80°C (-30° ... +176°F)
Version with gauge:
-34° ... +65°C (-30° ... +149°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Materials:
Body: Aluminium
Bonnet: Aluminium
Bottom plug: Acetal
Elastomers: CR

Technical data - standard models

Symbol	Port size	Size	Pressure range (bar)	Weight (kg)	Model
	G3/8	—	0,3 ... 10	0,82	V74G-3GK-NMN
	G1/2	Basic	0,3 ... 10	0,80	V74G-4GK-NMN
	G3/4	—	0,3 ... 10	0,78	V74G-6GK-NMN

Option selector

V74G-★★★-N★★

Port size	Substitute
3/8”	**3**
1/2”	**4**
3/4”	**6**
Thread form	**Substitute**
NPT	**A**
ISO G parallel (standard)	**G**
Adjustment	**Substitute**
Knob (standard)	**K**
T-bar	**T*1)**

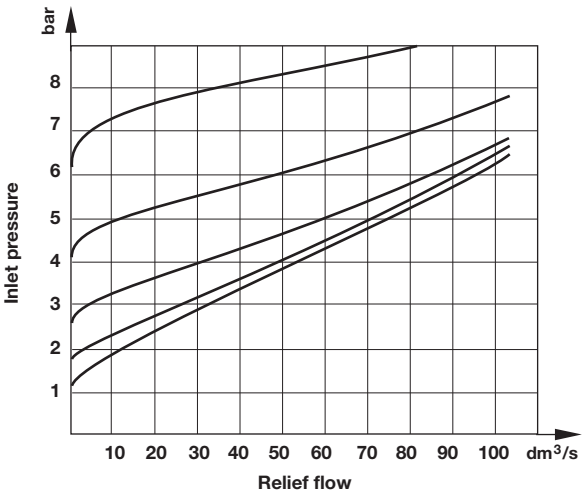
*1) Units with 17 bar outlet pressure range are available only with the T-bar adjustment; therefore substitute T at the 7th position and S at the 9th position.

Gauge	Substitute
With	**G**
Without (standard)	**N**
Relief pressure adjustment range *2)	**Substitute**
0,3 ... 10 bar	**M**
0,3 ... 4 bar	**F**
0,7 ... 17 bar	**S *1)**

*1) Relief valve can be adjusted to pressures in excess of, and less than, those specified. Do not use these units to control pressures outside of the specified ranges.

Flow characteristics

Spring range: 0,3 ... 10 bar (4 ... 145 psi)
Port size: 1/2”



Accessories

Wall mounting bracket	Quikclamp®	Quikclamp with wall bracket®	Neck mounting bracket	Panel nut	Tamper resistant kit
					
Page 3	Page 3	Page 3	Page 3		
4324-50	4314-51	4314-52	4368-51	4348-89	4355-51

Quikmount pipe adaptor *1)	Porting block with three alternative 1/4” ports	2/2 Shut-off valves (for full technical specification see datasheet 8.200.600)	3/2 Shut-off valves (for full technical specification see datasheet 8.200.600)
			
Page 3	Page 3	Page 3	Page 3
G3/8: 4315-10	G1/4: 4316-52	G 3/8: T74B-3GA-P1N	G 3/8: T74T-3GA-P1N
G1/2: 4315-11	1/4 PTF: 4316-50	G 1/2: T74B-4GA-P1N	G 1/2: T74T-4GA-P1N
G3/4: 4315-12		G 3/4: T74B-6GA-P1N	G 3/4: T74T-6GA-P1N
3/8 PTF: 4315-02			
1/2 PTF: 4315-03			1/2 PTF: T74T-4AA-P1N
3/4 PTF: 4315-04		3/4 PTF: T74B-6AA-P1N	3/4 PTF: T74T-6AA-P1N

*1) Please use a Quikmount pipe adaptor if the Quikclamp be mounted at inlet or outlet side.

Pressure switch

Porting block for pressure switch	Pressure switch (0,5 ... 8 bar)
	
Page 4	
0523110000000000	0881300000000000

Padlock

Padlock (brass) with two keys *1)

0613633000000000

*1) For shut-off valves and tamper resistant kit

Service kits

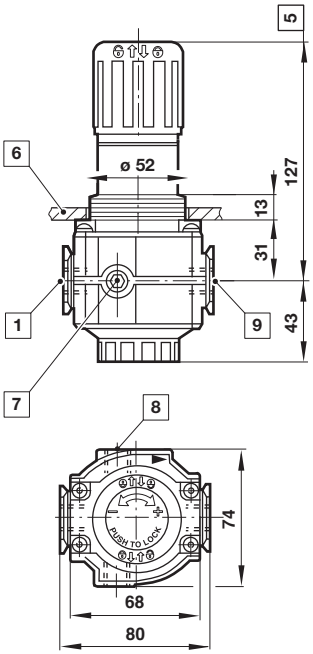
Service kit

V74G-KIT

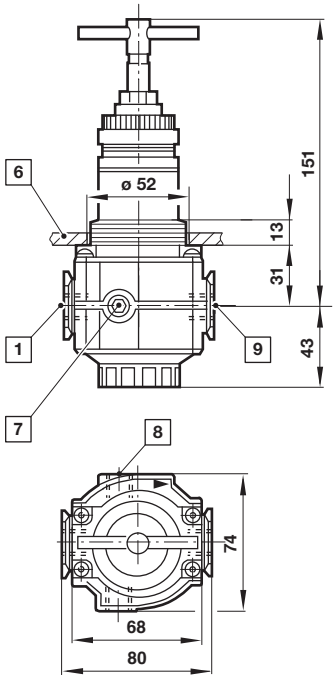
Drawings

Dimensions in mm
Projection/First angle

Standard



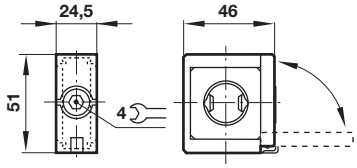
T-bar



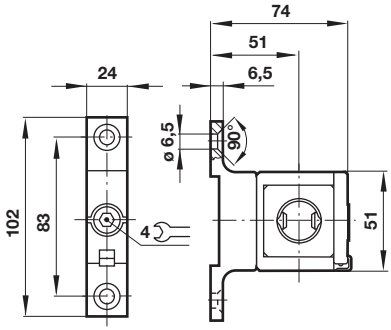
1 Inlet ports 3/8 “, 1/2” or 3/4”
5 Reduces by 4 mm with knob in locked position
6 Panel thickness 2 ... 6 mm
7 Gauge port Rc1/8 for ISO G and 1/4 PTF for PTF main ports
8 Alternative gauge port plugged
9 Exhaust ports 3/8 “, 1/2” or 3/4”

Accessories

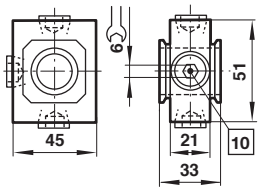
Quikclamp®



Quikclamp® with wall bracket

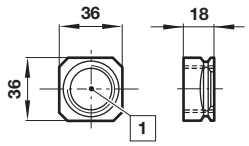


Porting block



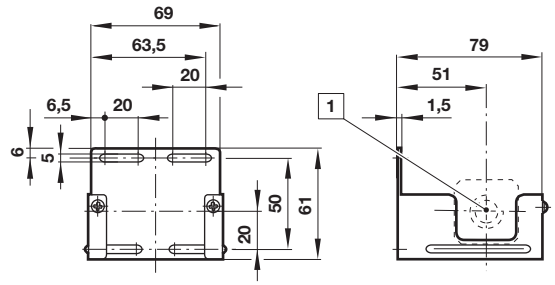
10 Ports 1/4” ISO G/PTF plugged

Pipe adapter



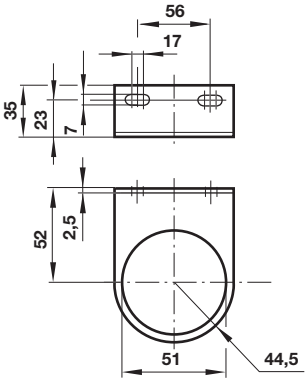
1 Main ports 3/8”, 1/2” or 3/4” ISO G/PTF

Wall mounting bracket

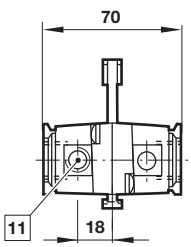


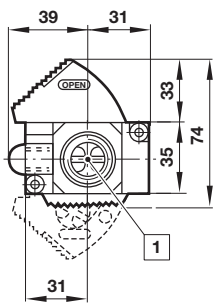
1 Main ports

Neck mounting bracket



Shut-off valves

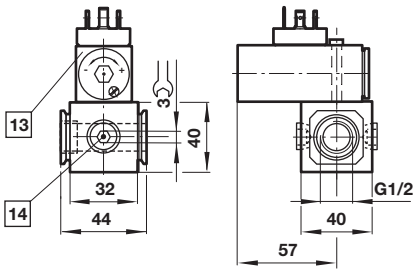




1 Main ports 3/8”, 1/2” or 3/4” ISO G/PTF
11 Exhaust port Rc1/8 at 3/2 valve only

Porting block for pressure switch

Dimensions in mm
Projection/First angle



13 Pressure switch is not in scope of delivery
14 Alternative G1/4 ports plugged

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System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.

V68H - Olympian Plus plug-in system Pressure relief valves

- **Port size: 3/4" ... 1 1/2" (ISO G/PTF)**
- **Olympian relief valves protect compressed air systems from over-pressurisation**
- **High relief capacity, sensitive and accurate**
- **Threaded relief port for silencer or piped exhaust**

Technical features

Medium:
Compressed air only
Maximum operating pressure:
20 bar (290 psi)
Outlet pressure adjustment range:
Standard
0,3 ... 10 bar (4 ... 145 psi)
Optional
0,3 ... 4 bar (4 ... 58 psi),
0,7 ... 17 bar (10 ... 246 psi)

Port sizes:
3/4", 1", 1 1/4" or 1 1/2"
Gauge port:
1/8 PTF with PTF main ports
Rc1/8 with ISO G main ports-
Gauge ports:
Rc 1/8
Relief port:
1" PTF with PTF yoke ports
Rc1 with ISO G yoke ports

Standard compliances:
II 2G Ex h IIC T6 Gb
II 2D Ex h IIIC T85° Db
Ambient/Media temperature:
-20° ... +80°C (-4° ... +176°F)
Version with gauge:
-20° ... +65°C (-4° ... +149°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Materials:
Body, bonnet & yoke: aluminium
Adjusting screw: steel
Elastomers: NBR

Technical data - standard models

Symbol	Port size	Size	Pressure range (bar)	Weight (kg)	Model
	G3/4	–	0,3 ... 10	2,21	V68H-6GD-RMN
	G1	Basic	0,3 ... 10	2,20	V68H-8GD-RMN
	G1 1/4	–	0,3 ... 10	2,22	V68H-AGD-RMN
	G1 1/2	–	0,3 ... 10	2,26	V68H-BGD-RMN
	Without yoke	–	0,3 ... 10		V68H-NND-RMN

Option selector

V68H-★★D-R★★

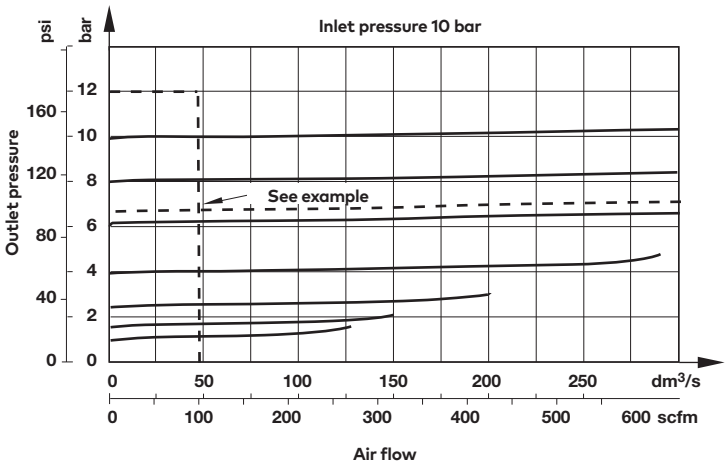
Port size	Substitute
3/4"	**6**
1"	**8**
1 1/4"	**A**
1 1/2"	**B**
Without yoke (standard)	**N**
Thread	**Substitute**
PTF	**A**
ISO G parallel (standard)	**G**

Gauge	Substitute
With	**G**
Without (standard)	**N**
Spring (Outlet Pressure Range) *1)	**Substitute**
0,3 ...10 (standard)	**M**
0,3 ... 4	**F**
0,7 ... 17	**S**

*1) Relief valves can be adjusted to pressures in excess of, and less than, those specified. Do not use these units to control pressures outside of the specified ranges.

Flow characteristics

Unported
Pressure range 1 ... 10 bar (15 ... 145 psi)

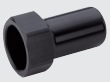


How to select a relief valve
The function of a relief valve is to help prevent an over pressure condition that could result in damage to downstream equipment. Typically, a pressure regulator reduces the supply pressure from the air compressor to a suitable working pressure. The relief valve is installed downstream of the regulator to protect downstream equipment from high pressure spikes.
Flow capacity of the relief valve selected must equal or exceed the flow and pressure rating of the air compressor.

EXAMPLE:
If your compressor delivers 47 dm³/s (100 scfm) at 12 bar (175 psi) and your system requires a working pressure of 6.2 bar (90 psi), the relief valve must have a set pressure slightly higher than the 6,2 bar (90 psi) working pressure and be capable of flowing 47 dm³/s (100 scfm) at 12 bar (175 psi), or pressures less than 12 bar (175 psi).

Accessories

Thread	Single yoke	Double yoke	End connector kit	Single yoke non threads	3/2 Shut-off valve Threaded inlet only	Threaded outlet only	Bracket mounting
							
G3/4	Y68A-6GN-N1N	Y68A-6GN-N2N	5524-55	74785-98	T68H-6GB-B2N	T68H-6GC-B2N	18-001-979
G1	Y68A-8GN-N1N	Y68A-8GN-N2N	5524-52		T68H-8GB-B2N	T68H-8GC-B2N	18-001-979
G1 1/4	Y68A-AGN-N1N	Y68A-AGN-N2N	5523-52		T68H-AGB-B2N	T68H-AGC-B2N	18-001-978
G1 1/2	Y68A-BGN-N1N	Y68A-BGN-N2N	5523-93		T68H-BGB-B2N	T68H-BGC-B2N	18-001-972
3/4 PTF	Y68A-6AN-N1N	Y68A-6AN-N2N	5524-53		T68H-6AB-B2N	T68H-6AC-B2N	18-001-979
1 PTF	Y68A-8AN-N1N	Y68A-8AN-N2N	5524-50		T68H-8AB-B2N	T68H-8AC-B2N	18-001-979
1 1/4 PTF	Y68A-AAN-N1N	Y68A-AAN-N2N	5523-50		T68H-AAB-B2N	T68H-AAC-B2N	18-001-978
1 1/2 PTF	Y68A-BAN-N1N	Y68A-BAN-N2N	5523-95		T68H-BAB-B2N	T68H-BAC-B2N	18-001-972

Nut	Tamper resistant cap & seal wire	Porting block	Silencer
			
5520-89	4355-51	18-026-986 (G1/4 & G1/2)	MB008B (R1)
			MB008A (1 NPT)

Service kit

Service kit

V68H-KIT

Gauges

Center back connection, white face (full technical specification see datasheet 8.900.900)

Pressure range bar *1	MPa	psi	Ø	Thread size	Model
0 ... 4	0 ... 0,4	0 ... 58	50 mm	R1/8	18-015-011
0 ... 10	0 ... 1	0 ... 145	50 mm	R1/8	18-015-013
0 ... 25	0 ... 2,5	0 ... 362	50 mm	R1/8	18-015-014

*1) primary scale

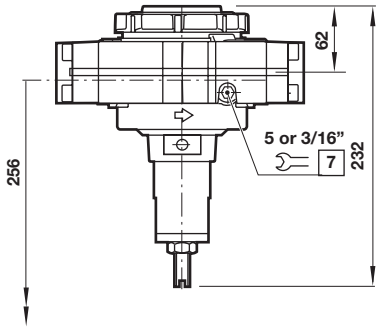
Center back connection, black face for North America (full technical specification see datasheet 8.900.900)

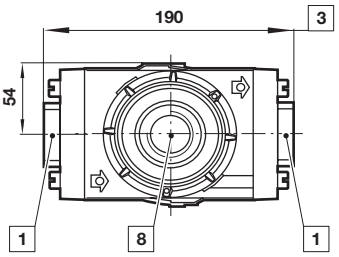
Pressure range psig *1	bar	MPa	Ø	Thread size	Model
0 ... 60	0 ... 4	0 ... 0.4	2" (50 mm)	1/8 NPT	18-015-202
0 ... 160	0 ... 11	0 ... 1.1	2" (50 mm)	1/8 NPT	18-015-204
0 ... 400	0 ... 28	0 ... 2.8	2" (50 mm)	1/8 NPT	18-015-206

*1) primary scale

Basic dimensions

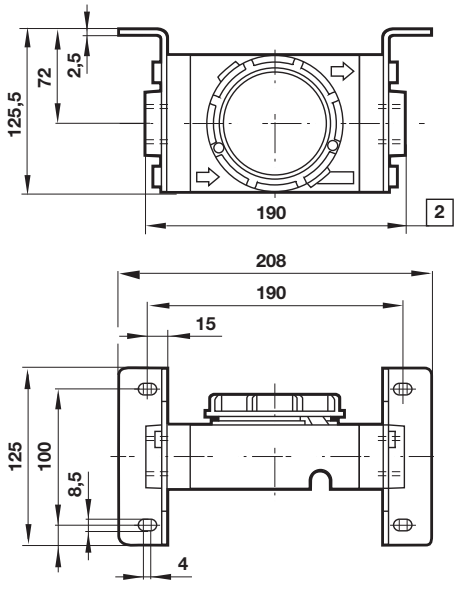
Dimensions in mm
Projection/First angle





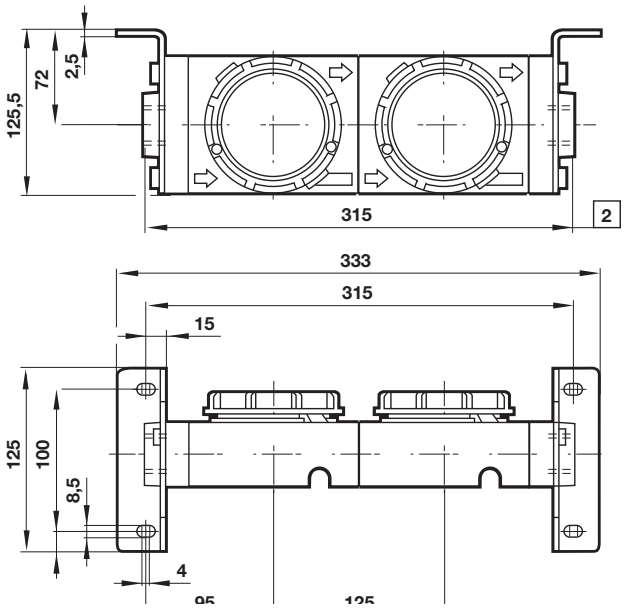
Minimum clearance required to remove unit from yoke
1 Main ports 3/4", 1", 1 1/4" or 1 1/2"
3 Plus 10 mm for ports 1 1/4" or 1 1/2"
7 Gauge port 1/8"
8 Relief port 1"

Single yoke with bracket



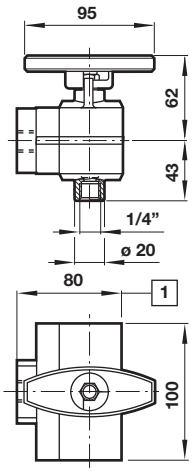
1 For 1 1/4" and 1 1/2" ported yokes add 10 mm

Double yoke with bracket



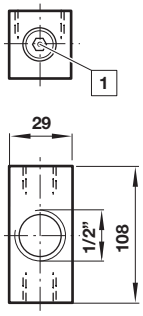
1 For 1 1/4" and 1 1/2" ported yokes add 10 mm

3/2 Shut-off valve



1 For 1 1/2" ported yokes add 5 mm

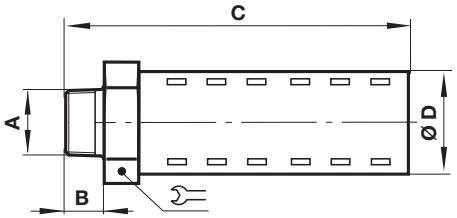
Porting block



1 Two additional plugged G1/4 ports

Silencer

Dimensions in mm
Projection/First angle



A	B	C	D		Model
R1	23	138	51	51	MB008B
1 NPT	23	138	51	51	MB008A

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.

V64H - Olympian Plus plug-in system Pressure relief valves

- **Port size: 1/4" ... 3/4" (ISO G/PTF)**
- **Olympian relief valves protect compressed air systems from over-pressurisation**
- **High relief capacity, sensitive and accurate**
- **Threaded relief port for silencer or piped exhaust**
- **Norgren pressure relief valves comply with category O(S.E.P.) and category 1 of the Pressure Equipment Directive 97/23/EC**

Technical features

Medium:
Compressed air only
Operating pressure:
17 bar (246 psi) maximum
Outlet pressure adjustment range:
(standard)
1 ... 10 bar (14 ... 145 psi)
(optional)
0,4 ... 4 bar (5 ... 58 psi),
2 ... 16 bar (29 ... 232 psi)

Port sizes:
1/4", 3/8", 1/2" or 3/4"
Gauge port:
1/8 PTF with PTF main ports
Rc1/8 with ISO G main ports
Relief port:
1/2 PTF with PTF main ports
G1/2 with ISO G main ports
Standard compliances:
II 2G Ex h IIC T6 Gb
II 2D Ex h IIIC T85° Db

Ambient/Media temperature:
-20° ... +80°C (-4° ... +176°F)
Version with gauge:
-20° ... +65°C (-4° ... +149°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Materials:
Body, bonnet & yoke: Zinc alloy
Connection piece: Aluminium
Bottom plug: Aluminium
Adjusting screw: Steel
Elastomers: NBR

Technical data, standard models

Symbol	Port size	Size	Outlet pressure adjustment range (bar)	Weight (kg)	Model
	G1/4	–	1...10	1,68	V64H-2GD-RMN
	G3/8	–	1...10	1,66	V64H-3GD-RMN
	G1/2	Basic	1...10	1,63	V64H-4GD-RMN
	G3/4	–	1...10	1,99	V64H-6GD-RMN
	Without yoke		1...10	1,20	V64H-NND-RMN

Option selector

V64H-★★D-R★★

Port size	Substitute
1/4"	2
3/8"	3
1/2"	4
3/4"	6
Without yoke	N

Thread	Substitute
PTF	A
ISO G (standard)	G
Without yoke (standard)	N

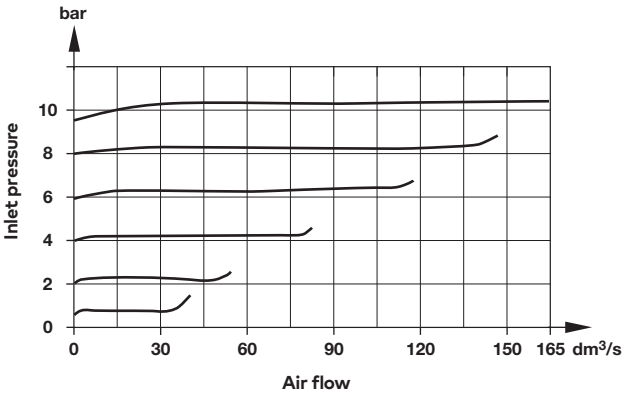
Gauge	Substitute
With	G
Without (standard)	N

Spring (Outlet Pressure Range) *1)	Substitute
1 ...10 bar (standard)	M
0,3 ... 4 bar	F
2 ... 16 bar	S

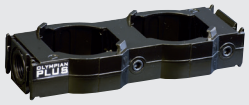
*1) Relief valves can be adjusted to pressures in excess of, and less than, those specified. Do not use these units to control pressures outside of the specified ranges.

Relief characteristics

Spring version: 10 bar, port size: 1/2"



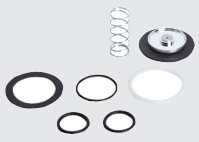
Accessories

Thread	Models with G-thread Single yoke	Double yoke	3/2 Shut-off valve Threaded inlet only	Threaded outlet only	End connector kit	Rear entry bracket kit
						
G1/4	Y64A-2GA-N1N	Y64A-2GA-N2N	T64T-2GB-P1N	T64T-2GC-P1N	–	–
G3/8	Y64A-3GA-N1N	Y64A-3GA-N2N	T64T-3GB-P1N	T64T-3GC-P1N	–	–
G1/2	Y64A-4GA-N1N	Y64A-4GA-N2N	T64T-4GB-P1N	T64T-4GC-P1N	74505-50	–
G3/4	Y64A-6GA-N1N*	Y64A-6GA-N2N*	T64T-6GB-P1N	T64T-6GC-P1N	74505-53	18-026-981
1/4 PTF	Y64A-2AA-N1N	Y64A-2AA-N2N	T64T-2AB-P1N	T64T-2AC-P1N	–	–
3/8 PTF	Y64A-3AA-N1N	Y64A-3AA-N2N	T64T-3AB-P1N	T64T-3AC-P1N	–	–
1/2 PTF	Y64A-4AA-N1N	Y64A-4AA-N2N	T64T-4AB-P1N	T64T-4AC-P1N	74505-52	–
3/4 PTF	Y64A-6AA-N1N*	Y64A-6AA-N2N*	T64T-6AB-P1N	T64T-6AC-P1N	74505-55	–

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

Bracket mounting	Nut	Tamper resistant kit	Yoke connector kit	Porting block	Padlock with two keys
					
74504-50	74502-89	1581-90	74503-51	74507-50	0613633 (brass)

Service kit

Service kit

V64H-KITR

Gauges

Center back connection, white face (full technical specification see datasheet 8.900.900)

6

Pressure range bar *1	MPa	psi	Ø	Thread size	Model
0 ... 4	0 ... 0,4	0 ... 58	50 mm	R1/8	18-015-011
0 ... 10	0 ... 1	0 ... 145	50 mm	R1/8	18-015-013
0 ... 25	0 ... 2,5	0 ... 362	50 mm	R1/8	18-015-014

*1) primary scale

Center back connection, black face for North America (full technical specification see datasheet 8.900.900)

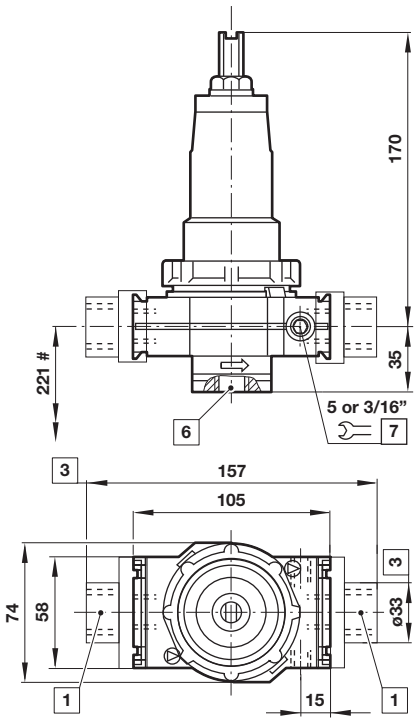
6

Pressure range psig *1	bar	MPa	Ø	Thread size	Model
0 ... 60	0 ... 4	0 ... 0.4	2" (50 mm)	1/8 NPT	18-015-202
0 ... 160	0 ... 11	0 ... 1.1	2" (50 mm)	1/8 NPT	18-015-204
0 ... 400	0 ... 28	0 ... 2.8	2" (50 mm)	1/8 NPT	18-015-206

*1) primary scale

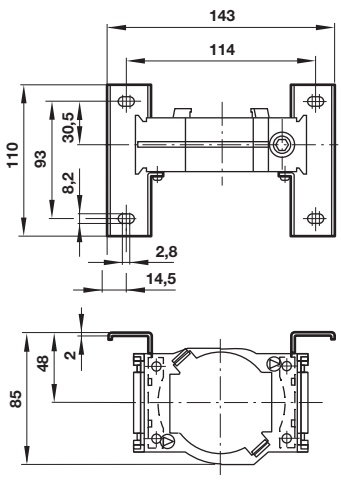
Basic dimensions

Dimensions in mm
Projection/First angle

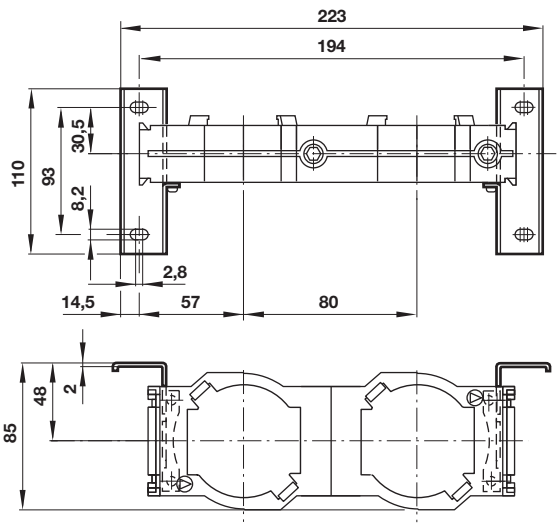


Minimum clearance required to remove unit from yoke
1 Main ports 1/4", 3/8", 1/2" or 3/4"
3 For main ports 3/4" only
6 Relief port 1/2"
7 Gauge port 1/8"

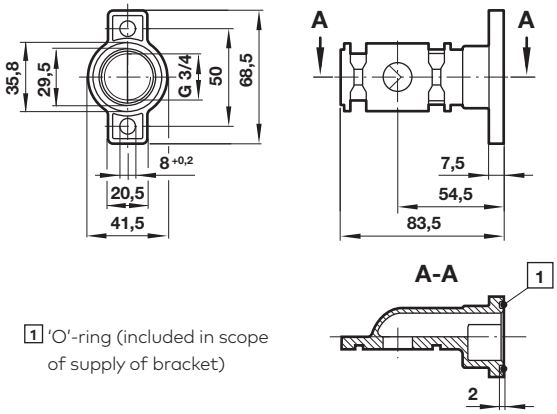
Single yoke with bracket mounting



Double yoke with bracket mounting



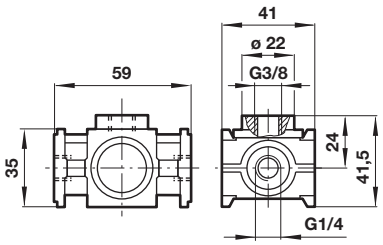
Rear entry bracket
18-026-981



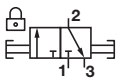
1 'O'-ring (included in scope of supply of bracket)

Porting block
74507-50

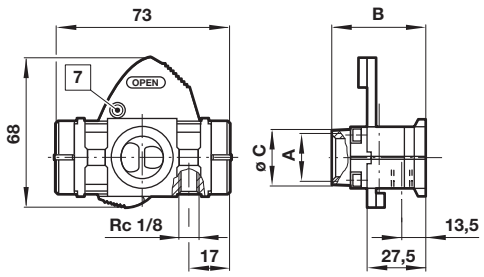
Dimensions in mm
Projection/First angle



3/2 Shut-off valve

Symbol	A	B	ø C	Model
	G1/4	48	27	T64T-2G*-P1N
	G3/8	48	27	T64T-3G*-P1N
	G1/2	48	27	T64T-4G*-P1N
	G3/4	51	33	T64T-6G*-P1N

* B = Threaded inlet only, C = Threaded outlet only



7 Padlock hole 7,5 mm

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System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.

1002 & 61B2
Relief Valve

- **Port size: R1/4**
- **Simple, compact design and construction**
- **Protect compressed air systems from over-pressurisation**
- **Quick & easy installation**
- **Very wide temperature range**
- **Optional manual pull ring**

Technical features

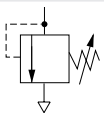
Medium:
Compressed air only
Operation:
Poppet valve, directly actuated with spring return
Recommended operating pressure
1002:
0,14 ... 1,6 bar (2 ... 23 psi)
1,6 ... 2,5 bar (23 ... 36 psi)
2 ... 6,3 bar (29 ... 91 psi)
6,3 ... 14 bar (91 ... 203 psi)
61B2
5 - 10 bar (73 ... 145 psi)
0,63 - 1,6 bar (9 ... 23 psi)
1,6 - 4 bar (23 ... 58 psi)
2,5 - 5 bar (36 ... 73 psi)
10 - 16 bar (145 ... 232 psi)

Note:
Use of this unit outside of its recommended operating pressure range could lead to product malfunction and should not be attempted.
Accuracy limitation:
1002: ± 25% of relief setting
61B2: ±20% of relief setting
Port size:
R 1/4
Flow:
See table
Mounting position:
Vertical

Ambient/Media temperature:
61B2:
-20 ... +80°C (-4 ... +112°F)
1002:
-40°C ... +230°C (-40 ... +446°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F)

Materials:
Body: Brass
Adjusting Cap: Brass
Ball seal:
1002: Stainless steel
61B2: Polyurethane

Technical data - standard, without pull ring

Symbol	Port size	Recommended pressure (bar)	Weight (kg)	Model
	R1/4	6,3 ... 14	0,11	1002/BR000
	R1/4	5 ... 10	0,051	61B2

Option selector

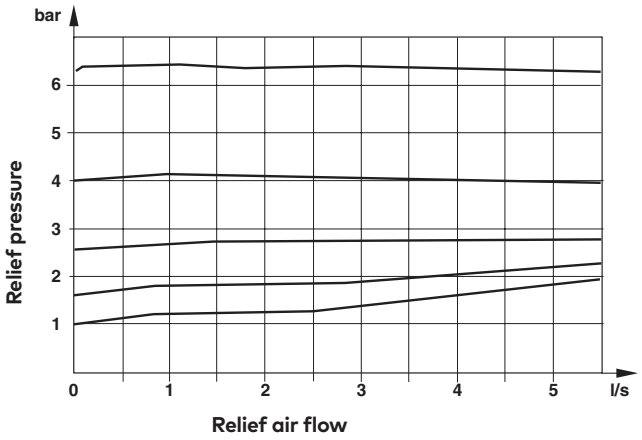
1002/B★00★

Recommended operating pressure	Substitute
2,0 ... 6,3 bar	**G**
0,14 ... 1,6 bar	**M**
1,6 ... 2,5 bar	**P**
6,3 ... 14 bar	**R**

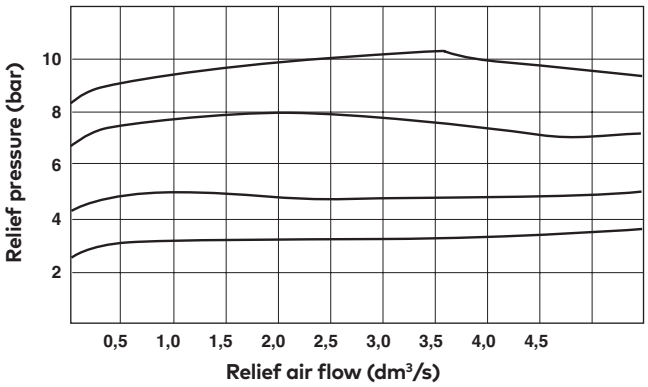
Pull ring	Substitute
Without	**0**
With	**8**

Relief flow characteristics

1002



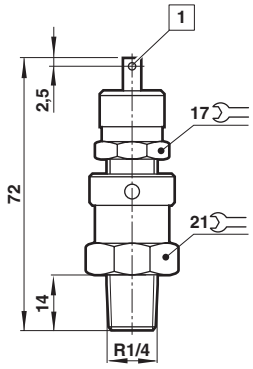
61B2



Dimensions

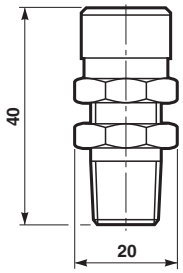
Dimensions in mm
Projection/First angle

1002



1 Ø 3 mm hole for pull ring

61B2



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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 & G1/4**
- **Very compact unit**
- **Protect compressed air systems from over-pressurisation**

Technical features

Medium:
Compressed air only
Maximum inlet pressure:
20 bar (290 psi)
Relief pressure range:
0,3 ... 7 bar (4 ... 101 psi),
0,3 ... 3,5 bar (4 ... 50 psi),
0,1 ... 0,7 bar (1 ... 10 psi),
0,3 ... 10 bar (4 ... 145 psi)

Flow:
see below
Port sizes:
G1/8 or G1/4
Rc1/8 (Gauge)

Ambient/Media temperature:
-34 ... +65°C (-29 ... +149°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F)

Materials:
Bonnet: Acetal
Body: Zinc alloy
Knop: Acetal
Valve: brass
Seals: NBR

Technical data, standard models

Symbol	Port size	Pressure range (bar)	Weight (kg)	Model
	G1/8	0,3 ... 7	0,19	V07-100-NNKG
	G1/4	0,3 ... 7	0,19	V07-200-NNKG

Option selector

V07-★00-N★★★

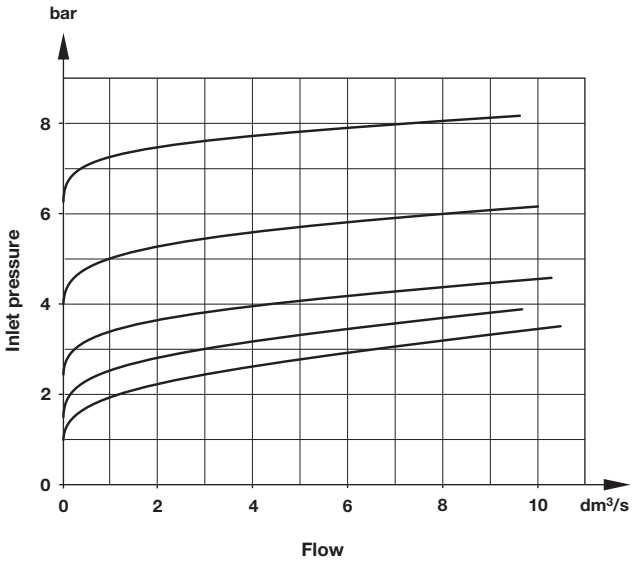
Port size	Substitute
1/8“	1
1/4”	2

Gauge	Substitute
With	G
Without	N

Thread	Substitute
PTF	A
ISO G	G

Relief pressure adjustment range	Substitute
0,1 ... 0,7	A
0,3 ... 3,5	E
0,3 ... 7	K
0,3 ... 10	M

Flow characteristics Port size 1/4”, Pressure range 0,3 ... 7 bar



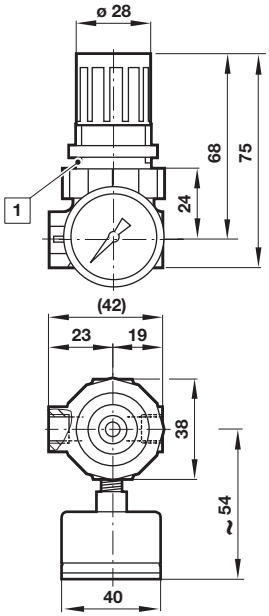
Accessories

Service kit

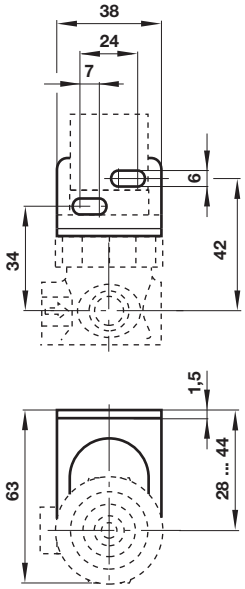
V07-KIT

Wall mounting bracket and panel nut	Panel nut	Tamper resistant field modification	Gauge ø 40 mm
			
1 & 4	4	3	6
18-025-003 (with plastic nut)	2962-04 (Metal)	18-001-092	18-015-990 (0 ... 4 bar)
18-025-004 (with metal nut)	2962-89 (Plastic)		18-015-989 (0 ... 10 bar)

Dimensions



Bracket mounting



Dimensions in mm
Projection/First angle

1 Panel mounting hole Ø 31 mm

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«**.
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