

- > **Port size: 1/4" ... 1/2"**
(ISO G/PTF)
- > **Excelon design allows in-line or modular installation**
- > **Push to lock adjusting knob with optional tamper resistant accessory**



Technical features

Medium:

Compressed air only

Maximum operating pressure:

20 bar (300 psi)

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:

G1/4, G3/8, G1/2,
1/4 PTF, 3/8 PTF 1/2 PTF

Gauge port:

Rc 1/8 with ISO G main ports
1/4 PTF with PTF main ports

Flow:

60 dm³/s maximum

At port size: 3/8"

Inlet pressure 10 bar (145 psi);

6,3 bar (91 psi) set pressure and a

Δp: 1 bar (14,5 psi) droop from set

Non-return valve:

R73G – without return valve

R73R – with return valve

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 & Bonnet: Die cast aluminium

Bottom plug: Acetal

Metal bonnet: Zinc

Elastomers: NBR

Technical data R73G - standard models with diaphragm

Symbol	Port size	Size	Pressure range (bar)	Adjustment	Weight (kg)	Model
	G1/4	—	0,3 ... 10	Knob	0,48	R73G-2GK-RMN
	G3/8	Basic	0,3 ... 10	Knob	0,48	R73G-3GK-RMN
	G1/2	—	0,3 ... 10	Knob	0,48	R73G-4GK-RMN

Technical data R73R with diaphragm

Symbol	Port size	Size	Pressure range (bar)	Adjustment	Weight (kg)	Model
	G1/4	—	0,3 ... 10	Knob	0,48	R73R-2GK-RMN
	G3/8	Basic	0,3 ... 10	Knob	0,48	R73R-3GK-RMN
	G1/2	—	0,3 ... 10	Knob	0,48	R73R-4GK-RMN

Option selector

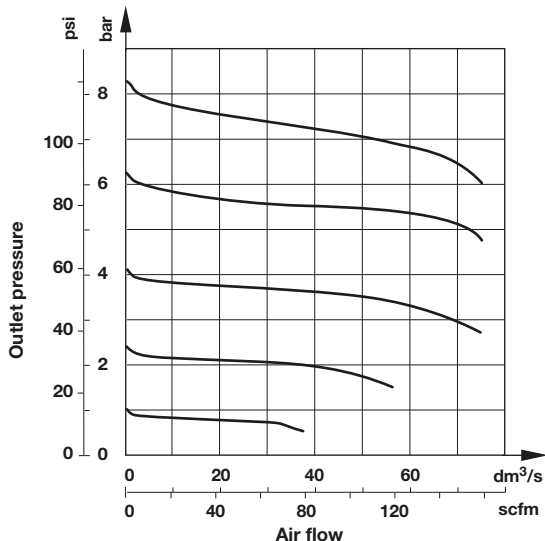
R73★-★★★-★★★

Non-return valve	Substitute	Gauge	Substitute
Without (standard)	G	With	G
Integrated	R	Without (standard)	N
Port size	Substitute	Outlet pressure adjustment range *2)	Substitute
1/4"	2	0,3 ... 4 bar	F
3/8"	3	0,3 ... 10 bar (standard)	M
1/2"	4	0,7 ... 17 bar	S
Thread form	Substitute	Diaphragm	Substitute
PTF	A	Relieving (standard)	R
ISO G parallel (standard)	G	Non relieving	N
Adjustment	Substitute		
Knob (standard)	K		
T-bar	T		

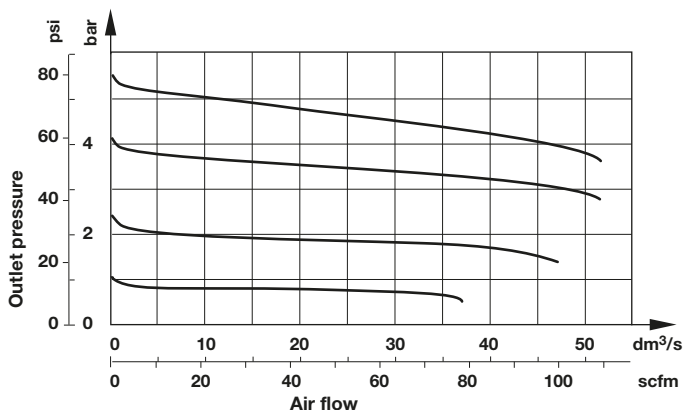
*2) Outlet pressure can be adjusted to pressures in excess of, and less than, those specified. Do not use these units to control pressures outside of the specified ranges.

Flow characteristics

Inlet pressure: 10 bar (145 psi)
Port size: 3/8"



Inlet pressure: 7 bar (101 psi)
Port size: 3/8"



Accessories

Wall mounting bracket 	Neck mounting bracket 	Panel nut 	Quikclamp® 	Quikclamp with wall bracket® 	Tamper resistant kit 
Page 4 4424-50	Page 4 4461-50	5191-88	Page 3 4314-51	Page 3 4314-52	4455-51
Quikmount pipe adaptor *1) 	Porting block with three alternative 1/4" ports 	2/2 Shut-off valves (for full technical specification see datasheet 8.180.600) 	3/2 Shut-off valves (for full technical specification see datasheet 8.180.600) 		
Page 3 G1/4: 4315-09 G3/8: 4315-10 G1/2: 4315-11 1/4 PTF: 4315-01 3/8 PTF: 4315-02 1/2 PTF: 4315-03	Page 3 G1/4: 4316-52 1/4 PTF: 4316-50	Page 4 G1/4: T73B-2GA-P1N G3/8: T73B-3GA-P1N G1/2: T73B-4GA-P1N 1/4 PTF: T73B-3AA-P1N 3/8 PTF: T73B-2AA-P1N 1/2 PTF: T73B-4AA-P1N	Page 4 G1/4: T73T-2GA-P1N G3/8: T73T-3GA-P1N G1/2: T73T-4GA-P1N 1/4 PTF: T73T-3AA-P1N 3/8 PTF: T73T-2AA-P1N 1/2 PTF: T73T-4AA-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



Page 3

0523110000000000

Pressure switch (0,5 ... 8 bar)



0881300000000000

Padlock

Padlock (brass) with two keys *1)



0613633000000000

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

Service kits

Service kit



R73G-KITR

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 ... 6	0 ... 0,6	0 ... 84	50 mm	R1/8	18-013-012
0 ... 10	0 ... 1	0 ... 145	50 mm	R1/8	18-013-013
0 ... 25	0 ... 2,5	0 ... 362	50 mm	R1/8	18-013-014

*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 ... 60	0 ... 4	0 ... 0,4	2" (50 mm)	1/4 NPT	18-013-208
0 ... 160	0 ... 11	0 ... 1,1	2" (50 mm)	1/4 NPT	18-013-209
0 ... 300	0 ... 20	0 ... 2,1	2" (50 mm)	1/4 NPT	18-013-210

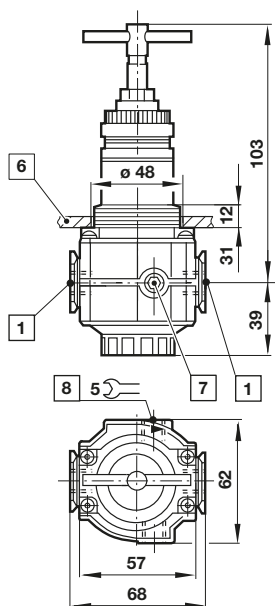
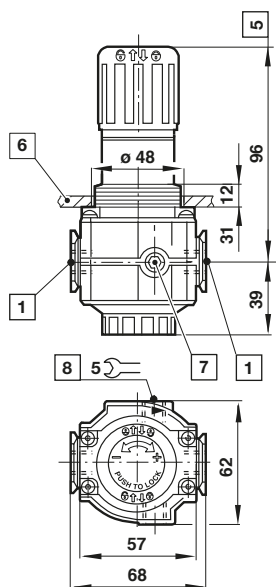
*1) primary scale

Drawings

Standard

T-bar

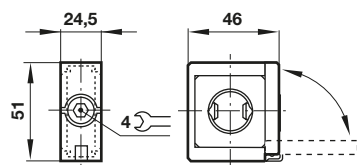
Dimensions in mm
Projection/First angle



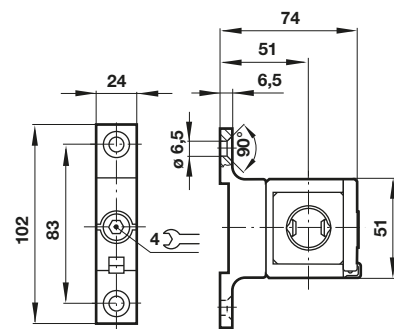
- 1 Main ports 1/4", 3/8" or 1/2"
- 5 Reduces by 4 mm with knob in locked position
- 6 Panel thickness 2 ... 6 mm
- 7 Gauge port Rc1/8 for ISO G and 1/4 PTF for PTF main ports
- 8 Alternative gauge port plugged

Accessories

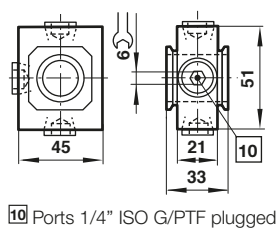
Quikclamp®



Quikclamp® with wall bracket

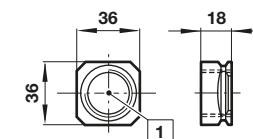


Porting block



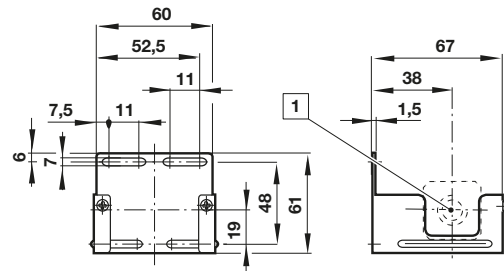
- 10 Ports 1/4" ISO G/PTF plugged

Pipe adapter



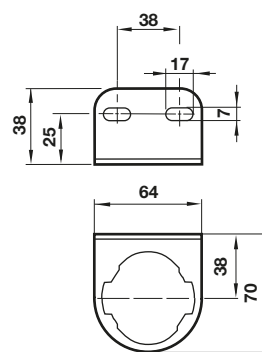
- 1 Main ports 3/8", 1/2" or 3/4" ISO G/PTF

Wall mounting bracket



1 Main ports

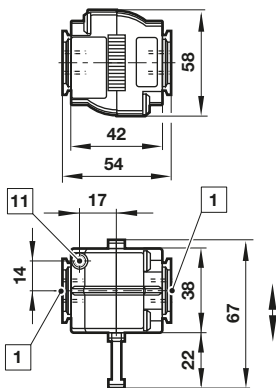
Neck mounting bracket



Dimensions in mm
Projection/First angle

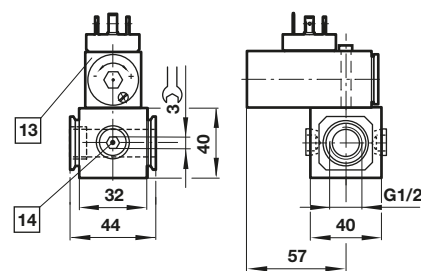


Shut-off valves



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

Porting block for pressure switch



- 13 Pressure switch is not in scope of delivery
- 14 Alternative G1/2 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 Inc. 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.