- **Port size: 1/4” ... 3/4” (ISO G/PTF)**
- **Assists machine designers in complying with the European Machineries Directive**
- **High forward flow capacity**
- **High flow dump facility**
- **Soft start valves allow a controlled increase of pressure onto downstream cylinders /machines offering protection to personnel equipment**
- **The positively driven micro switch ensures amonitored dump function**

Technical features

Medium:
Compressed air only
Operating pressure:
3 bar (43 psi) minimum
10 bar (145 psi) maximum
Snap pressure:
Full flow when downstream pressure reaches 35 – 60% of inlet pressure
Charge time:
For 2 litre downstream volume and 6,3 bar (90 psi) inlet pressure
0,2 sec. minimum
75 sec. maximum

Port size:
G1/4, G3/8, G1/2, G3/4,
1/4PTF, 3/8 PTF 1/2 PTF , 3/8 PTF
Pilot port:
Rc1/4 with ISO G main ports
1/4 PTF with PTF main ports
Exhaust port:
G1/2 with ISO G main ports
1/2 PTF with PTF main ports
Flow:
57 dm^3/s
Operating pressure: 6,3 bar (91 psi)
Δp: 0,5 bar (7 psi)
P1 » P2 = Cv 4,2; P2 » P3 = Cv 5,6

Ambient/Media temperature:
-20 ... +50°C (+4 ... +122°F)
pilot operated
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Materials:
Body & intermediate body: Aluminium
Elastomers: Synthetic materials
Filter discs: Sintered plastic
Internal components: Brass/steel
Top plate & exhaust bonnet: Zinc

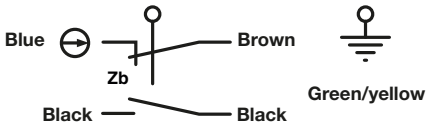
Electrical details for solenoid operators

Voltage tolerance	± 10%
Rating	100% continuous duty
Inlet orifice	1,0 mm
Electrical connection	Industrial Standard, 22 mm
Solenoid coil mounting	Four positions x 90°
Protection class	IP 65 (with sealed plug)

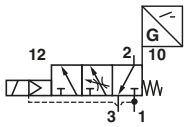
Electrical details for monitoring switch

Voltage	240 V a.c.
Current	1,5 A
Connection cable	Harmonised CENELEC 5 x 0,75 mm^2
Cable length	2 m
Protection class	IP 66

Switch details
All electrical connections to be made by a competent licensed electrician
Break - before – Make contact
1 Normally Open / 1 Normally Closed



Technical data - standard models

Symbol	Port size	Size	Actuation/ return	Voltage	Weight (kg)	Typ
	G1/4	—	Solenoid/spring	24 V d.c.	1,05	P74S-2GC-N1N
	G3/8	—	Solenoid/spring	24 V d.c.	1,08	P74S-3GC-N1N
	G1/2	Basic	Solenoid/spring	24 V d.c.	1,05	P74S-4GC-N1N
	G3/4	—	Solenoid/spring	24 V d.c.	1,41	P74S-6GC-N1N

Voltage codes and spare coils

22 mm coil for connector interface acc. to industrial standard

	Voltage	Power Inrush/Hold	Model	Code
	24 V d.c	2 W	QM/48/13J/21	13J

Connector plugs

Industrial standard 22 mm 2-pole + PE

0657868

Our policy is one of continued research and development. We therefore reserve the right to amend, without notice, the specifications given in this document. (2015 - 5167c) © 2015 IMI International s.r.o.

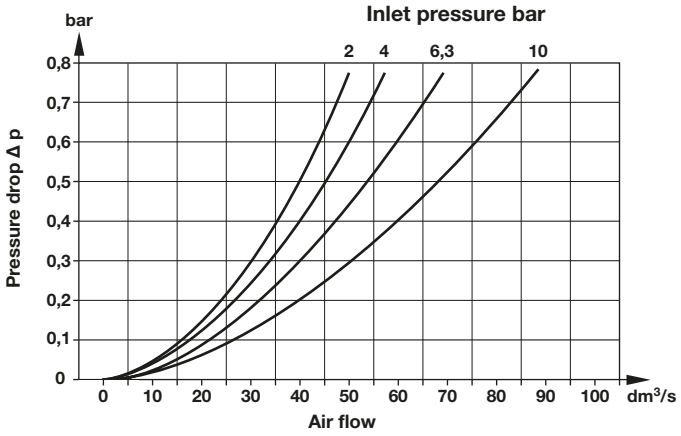
Option selector

P74S-★★C-N1N

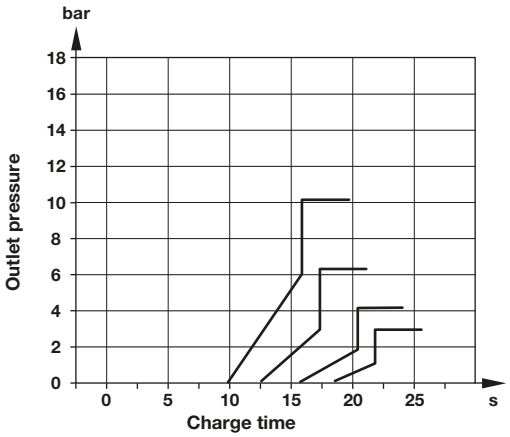
Port size	Substitute
1/4"	2
3/8"	3
1/2"	4
3/4"	6

Thread size	Substitute
PTF	A
ISO G parallel (standard)	G

Flow characteristics

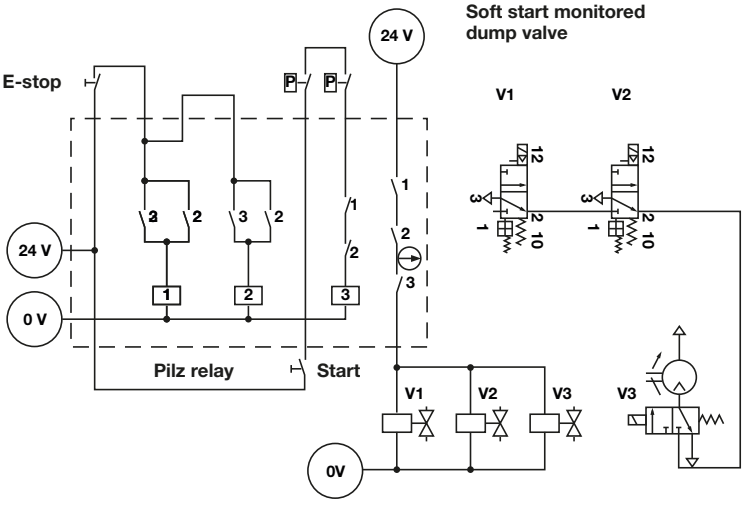


Maximum charge time



Pilz relay

To assist in compliance with the Machinery Directive 89/392/EEC a Pilz circuit should be used. This requires 2 units.



Our policy is one of continued research and development. We therefore reserve the right to amend, without notice, the specifications given in this document. (2015 - 5167c) © 2015 IMI International s.r.o.

Accessories

Wall mounting bracket	Quikclamp®	Quikclamp with wall bracket®	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 4	Page 4	Page 4	Page 4	Page 4	Page 4	Page 4
4324-50	4314-51	4314-52	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		3/8 PTF: T74B-3AA-P1N	3/8 PTF: T74T-3AA-P1N
			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

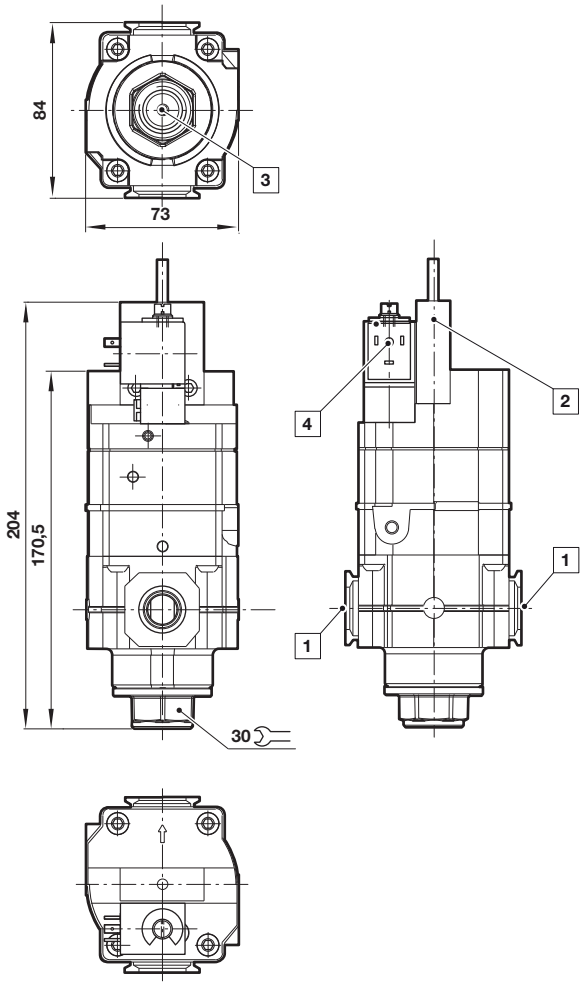
Silencer

Silencer

Page 4
R1/2: MB004B
1/2 NPT: MB004A

Drawing

Dimensions in mm
Projection/First angle



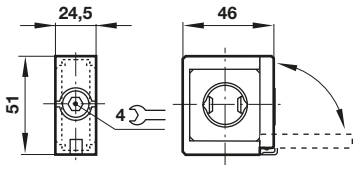
1 Main sorts 1/4", 3/8", 1/2" or 3/4"
2 Monitored switch
3 Exhaust port
4 Solenoid

Our policy is one of continued research and development. We therefore reserve the right to amend, without notice, the specifications given in this document. (2015 - 5167c) © 2015 IMI International s.r.o.

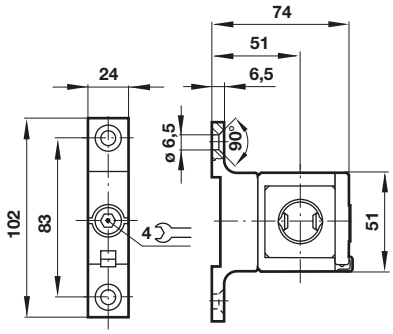
Accessories

Dimensions in mm
Projection/First angle

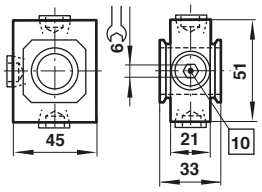
Quikclamp®



Quikclamp® with wall bracket

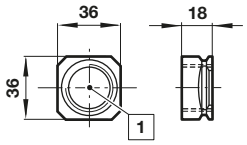


Porting block



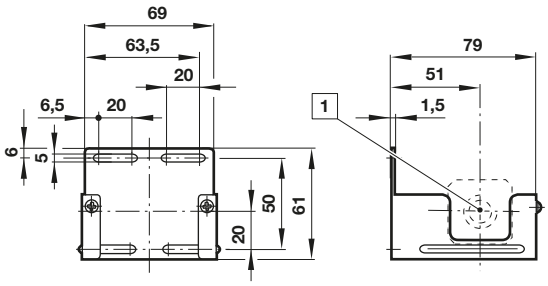
10 Ports 1/4" ISO G/PTF plugged

Pipe adapter



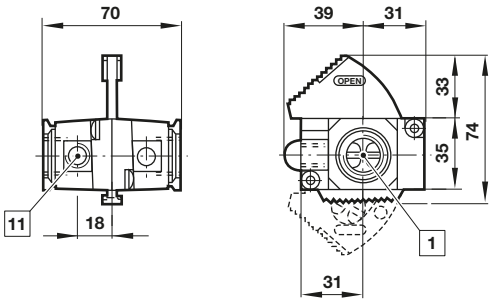
1 Main ports 3/8", 1/2" or 3/4" ISO G/PTF

Wall mounting bracket



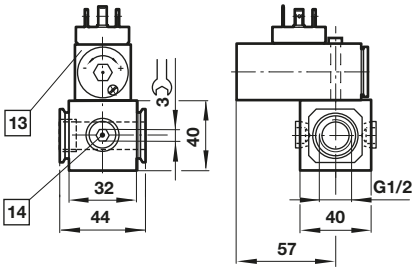
1 Main ports

Shut-off valves



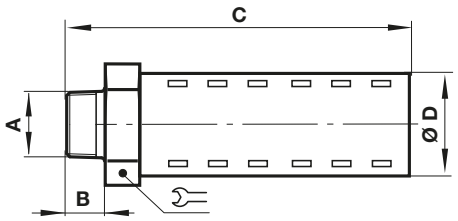
1 Main ports 3/8", 1/2" or 3/4" ISO G/PTF
11 Exhaust port Rc1/8

Porting block for pressure switch



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

Silencer



A	B	C	D	⌯	Model
R1/2	17	92	32	32	MB004B
1/2 NPT	17	92	32	32	MB004A

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, 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.

Our policy is one of continued research and development. We therefore reserve the right to amend, without notice, the specifications given in this document. (2015 - 5167c) © 2015 IMI International s.r.o.