

- > **Port size: 1/4" ... 3/4"**
(ISO G/PTF)
- > **Assists machine designers in complying with the European Machineries Directive**
- > **Controlled increase of downstream pressure on start up**
- > **Solenoid, air pilot or manual operator**
- > **High forward flow and capacity dump facility**



Technical features

Medium:

Compressed air only

Operating pressure:

3 bar (43 psi) minimum

10 bar (145 psi) (Solenoid operated)

17 bar (246 psi) (Pilot operated)

Snap pressure:

Full flow when downstream pressure reaches 50 ... 80% 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

Flow:

57 dm³/s

Operating pressure: 6,3 bar (91 psi)

Δp: 0,5 bar (7 psi)

Port sizes:

1/4", 3/8", 1/2" or 3/4"

Air pilot port:

1/4 PTF with PTF main ports

Rc1/4 with ISO G main ports

Exhaust port:

1/2 PTF with PTF main ports

G1/2 with ISO G main ports

Gauge port:

1/8 PTF with PTF main ports

Rc1/8 with ISO G main ports

Ambient/Media temperature:

Solenoid actuated:

-20° ... +50°C (-4° ... +122°F)

Pilot actuated:

-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 & yoke: Zinc alloy

Intermediate body: Aluminium

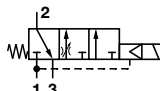
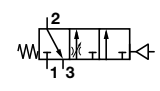
Top plate: Zinc

Elastomers: NBR

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)

Technical data - standard models

Symbol	Port size	Size	Actuation/return	Voltage	Pilot port	Weight (kg)	Type
	G1/4	—	Solenoid/spring	24 V d.c.	—	2,07	P64F-2GC-PFN *1)
	G3/8	—	Solenoid/spring	24 V d.c.	—	2,05	P64F-3GC-PFN *1)
	G1/2	Basic	Solenoid/spring	24 V d.c.	—	2,02	P64F-4GC-PFN *1)
	G3/4	—	Solenoid/spring	24 V d.c.	—	2,38	P64F-6GC-PFN *1)
	Without yoke	—	Solenoid/spring	24 V d.c.	—	1,59	P64F-NNC-PFN *1)
	G1/4	—	Air/spring	—	Rc1/4	1,69	P64F-2GA-NNN
	G3/8	—	Air/spring	—	Rc1/4	1,94	P64F-3GA-NNN
	G1/2	Basic	Air/spring	—	Rc1/4	1,91	P64F-4GA-NNN
	G3/4	—	Air/spring	—	Rc1/4	2,27	P64F-6GA-NNN
	Without yoke	—	Air/spring	—	Rc1/4	1,45	P64F-NNA-NNN

*1) To select other solenoid type and coil voltage refer to option selector on page 2

Voltage codes and spare coils

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	6/5,0 VA	QM/48/19J/21	19J

Connector plugs



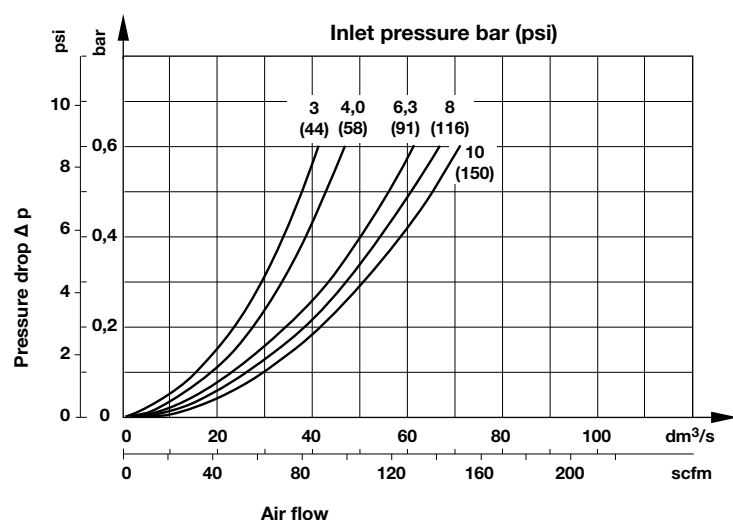
Option selector

P64F-★-★-★-★-★-★

Port size	Substitute
1/4"	2
3/8"	3
1/2"	4
3/4"	6
No yoke	N
Threads	Substitute
PTF	A
ISO G parallel (standard)	G
No yoke (standard)	N
Operator	Substitute
Air pilot (standard)	A
Air pilot with manual lockout	B
22 mm solenoid (standard)	C
22 mm solenoid with manual lockout	D

Connector		Substitute
With		A
Without		N
Voltage	Watts	Substitute
24 V d.c.	2 W	F
12 V d.c.	2 W	E
6 V d.c.	2 W	D
220/240 V, 50/60 Hz	4/2,5 VA	B
110/120 V, 50/60 Hz	4/2,5 VA	A
No coil	—	Z
No solenoid	—	N
Solenoid manual operator		Substitute
Non-locking, shrouded push button		P
None		N

Flow characteristics



Maximum charge time

