

**Olympian Plus**  
**Soft start/dump valve**  
**G<sup>3</sup>/<sub>4</sub>" ... G1<sup>1</sup>/<sub>2</sub>"**

**Controls increase of downstream pressure on start up. Cylinders and other air operated devices are eased into normal operating positions, reducing the possibility of equipment damage and hazards to the user.**

**3 port/2 position, normally closed, soft start valve with optional manual lockout slide**

**Blocks inlet air and exhausts downstream air when pilot signal is removed or when the optional manual lockout slide is closed**

**Optional manual slide can be padlocked in closed position**

**Solenoid pilot or air pilot operation**

**Designed primarily for use in start-up and shutdown of equipment, not as a frequently cycling directional control valve. Norgren offers a wide variety of valves designed for frequent cycling and other applications. Please refer to the P72C and P74C valves, and to other Norgren valve catalogs.**



**Technical data**

System air supply:

Turn on system air supply prior to applying pilot signal to operator. Failure to do so may cause valve to continuously exhaust.

Fluid:

Compressed air

Maximum pressure solenoid operated:

Dependent on solenoid rating. Must not exceed 17 bar

Maximum pressure pilot operated:

17 bar max.

Minimum operating pressure:

3 bar

Operating temperature solenoid operated:

Dependent on solenoid rating. Must be within range -20°C to +80°C

Consult our Technical Service for use below +2°C

Air pilot port:

G1/4 with ISO G and ISO Rc main ports

1/4 PTF with PTF main ports

Exhaust port:

G1 with ISO G and ISO Rc main ports

1" PTF with PTF main ports

Typical flow at 6,3 bar inlet pressure and a pressure drop of 0,5 bar:

147 dm<sup>3</sup>/s (P<sub>1</sub> to P<sub>2</sub> = C<sub>v</sub> 11,2) (P<sub>2</sub> to P<sub>3</sub> = C<sub>v</sub> >11)

Snap pressure:

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

Charge time for 25 litre downstream volume and 6,3 bar inlet pressure:

Minimum 6,4 sec.

Typical maximum 115 sec.

**Materials**

Body: aluminium

Top plate: aluminium

Bottom plate: aluminium

Yoke: aluminium

Elastomers: synthetic materials

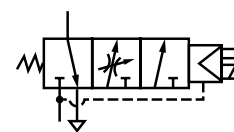
Filter discs: sintered plastic

Internal components: brass/steel

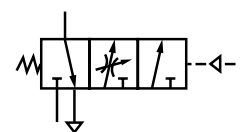
**Ordering Information**

See *Ordering Information* on the following pages.

**ISO Symbols**



Solenoid operated

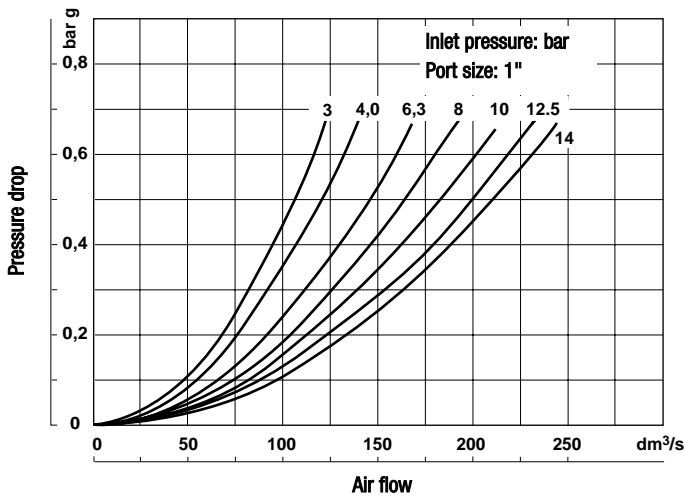


Air pilot

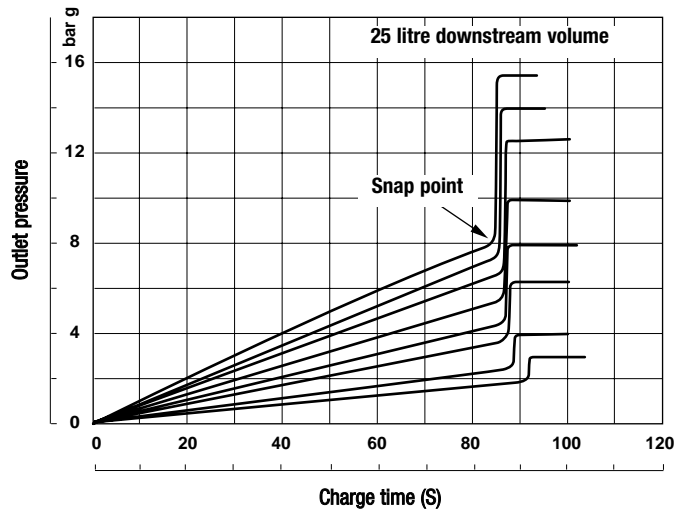


## Typical performance characteristics

Flow characteristics



Percentage snap point



**Ordering information** Models listed include a yoke with ISO G threads and an operator with manual lockout. Solenoid operated models include a 32 mm operator with manual override, a 24 Vdc coil, and a connector without indicator light.

Port size	Solenoid operated model	kg	Air pilot operated model	kg
G3/4	P68F-6GH-PPA	2,95	P68F-6GB-NNN	2,77
G1	P68F-8GH-PPA	2,93	P68F-8GB-NNN	2,75
G1¼	P68F-AGH-PPA	2,90	P68F-AGB-NNN	2,72
G1½	P68F-BGH-PPA	2,92	P68F-BGB-NNN	2,74

## Alternative models

P 6 8 F - \* \* \* - \* \* \*

Port size	Substitute		
3/4"	6		
1"	8		
1¼"	A		
1½"	B		
No yoke	N		
Threads	Substitute		
PTF	A		
ISO Rc taper	B		
ISO G parallel	G		
No Yoke (N in 5th position)	N		
ISO G pilot and exhaust ports			
No Yoke (N in 5th position)	A		
PTF pilot and exhaust ports			
Operator	Substitute	10 bar Inlet pressure	17 bar Inlet pressure
Air pilot	A	A	A
Air pilot with manual lockout	B	B	B
Low watt miniature (22 mm) solenoid	C*	S*	
Low watt miniature (22 mm) solenoid with manual lockout	D*	T*	
Standard watt (32 mm) solenoid	G**	V**	
Standard watt (32 mm) solenoid with manual lockout	H**	W**	
Low watt CNOMO solenoid	L*	X*	
Low watt CNOMO solenoid with manual lockout	M*	Y*	
Direct ported bottom plate	N	N	

Connectors	Substitute
3 pin plug with cable gland, no indicator	A
Without connector	N

Coil voltage	Low watt coil For use with 22mm and CNOMO solenoids		Standard watt coil For use with 32mm solenoid	
	Nominal power rating	Substitute	Nominal power rating	Substitute
24 V d.c.	2 W *	F	4,5 W **	P
12 V d.c.	2 W *	E	4,5 W **	Q
6 V d.c.	2 W *	D	4,5 W **	M
220/240 V	4/2,5 VA *	B	14/10 VA **	K
50/60 Hz				
110/120 V	4/2,5 VA *	A	14/10 VA **	J
50/60 Hz				
No coil		Z		Z
No solenoid		N		N

Solenoid operator manual override	Substitute
Shrouded push button	P
None	N

\* Nominal power rating for the low watt coil used with the 17 bar solenoid is 7,5 watt or 12/8 VA.

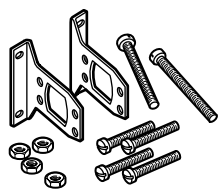
\*\* Nominal power rating for the standard watt coil used with the 17 bar solenoid is 9 watt or 27/20 VA.

\* Also specify desired low watt coil in 9th position.  
\*\* Also specify desired standard watt coil in 9th position.

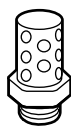


## Accessories

### Wall mounting bracket



### Exhaust port silencer



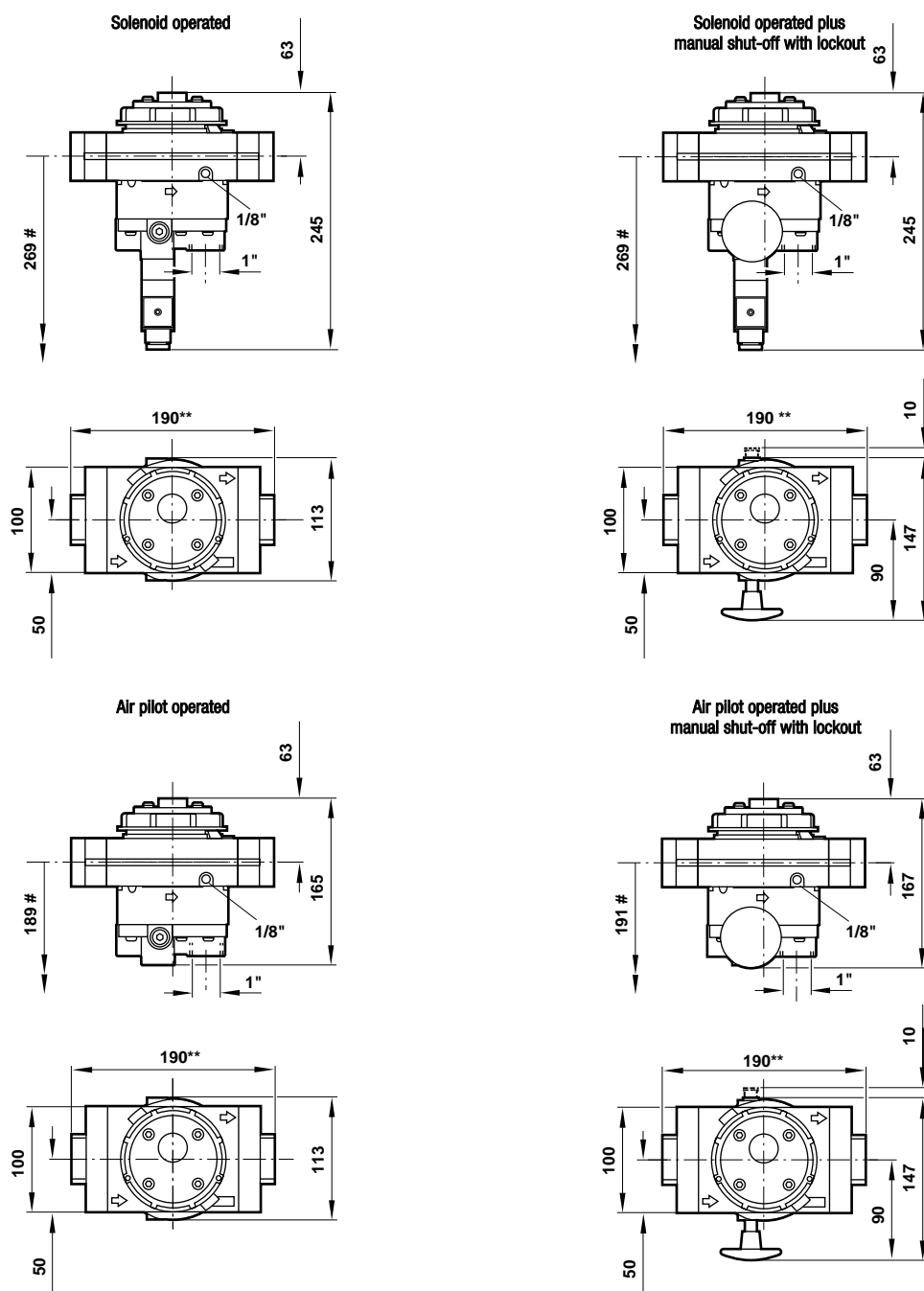
### Plug with cable gland for 22 mm solenoid



3/4" ported yoke:	18-001-979	MB008B (R1)	M/P24120/1	12-24 V ac/dc	Indicator type
1" ported yoke:	18-001-979	MB008A (1" PTF)	M/P24120/2	150-230 V ac	Indicator type
1 1/4" ported yoke:	18-001-978		M/P24121/1*	12-24 V ac/dc	Indicator type
1 1/2" ported yoke:	N/A		M/P24121/2	150-230 V ac	Indicator type
			M/P24121/3	150-230 V ac	Indicator type
			M/P15737	150-230 V ac	No Indicator
			M/P19063		No Indicator

\* Reduced light intensity at 12 V.

## Dimensions

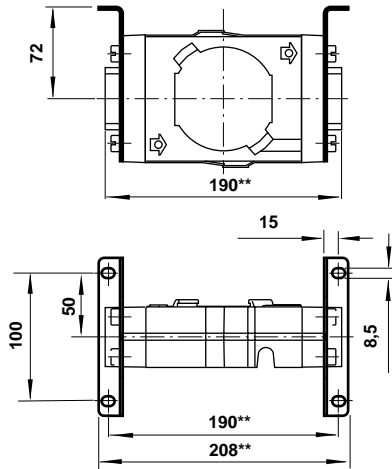


\*\* 200 mm for 1 1/4 and 1 1/2 models.  
# Minimum clearance to remove unit.



### Bracket mounting

Use 4 mm screws to mount bracket to wall.



\*\* Add 10 mm for 1¼" and 1½" models.

### Bracket kit reference

Item	Type	Model
	3/4" ported yoke	18-001-979
Wall bracket	1" ported yoke	18-001-979
	1¼" ported yoke	18-001-978
	1½" ported yoke	N/A

### 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 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.