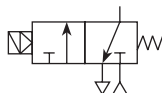


P31D & P32D Dump Valves

- Modular design with 1/4" or 1/2" integral ports (NPT & BSPP)
- The 3-way, 2-position function automatically dumps downstream pressure on the loss of pilot signal
- Solenoid or air pilot options
- High flow & exhaust capability
- Silencer included



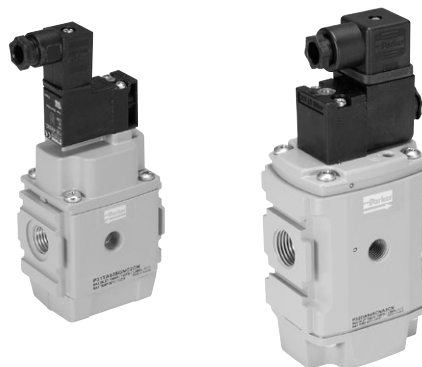
Remotely operated dump valves automatically shut off upstream pressure and exhaust the downstream pressure when the pilot pressure is released.

To maintain these units in the open position a pilot supply to the air pilot operated version or an electrical signal to the solenoid operated version must be maintained.

The valve will automatically dump when the holding signal is removed.

Port Size	Description	Weight lbs (kg)	Part Number
1/4"	120VAC Solenoid & cable plug	0.8 (0.37)	P31DA12SGNC1FN
1/4"	24VDC Solenoid & cable plug [‡]	0.9 (0.41)	P31DA12SGNC2CN
1/2"	120VAC 30mm coil & cable plug incl. [‡]	1.5 (0.69)	P32DA14SCNA3GN
1/2"	24VDC 30mm coil & cable plug incl. [‡]	2.0 (0.91)	P32DA14SCNA2CN
1/2"	External air pilot operated [‡]	1.9 (0.87)	P32DA14PPN

[‡] Includes exhaust silencer



Operating Information

Flow capacity*:	P31D	36 scfm (17 dm ³ /s, ANR)
	P32D	108 scfm (51 dm ³ /s, ANR)
Temperature range (max) [†] :		
	Solenoid operated	14°F to 122°F (-10°C to 50°C)
	Air pilot operated	-4°F to 176°F (-20°C to 80°C)
Pressure (max):		
	Solenoid operated	150 psig (10 bar)
	Air pilot operated	250 psig (17 bar)
Operating pressure (min):		44 psig (3 bar)
Fluid:		Compressed air
Ports:	Air pilot	1/8
	Exhaust	P31D - 1/4; P32D - 1/2
	Gauge	P31D - 1/8; P32D - 1/4

* Inlet pressure 91.3 psig (6.3 bar), inlet pressure and 14.5 psig (1 bar) pressure drop.

[†] Air supply must be dry enough to avoid ice formation at temperatures below 35.6°F (2°C). Snap pressure: Full flow when downstream pressure reaches 50% of the inlet pressure.

Ordering Information:

P31DA

Body Size	
Dump Valve (1/4")	P31DA
Dump Valve (1/2")	P32DA

Thread Type	
BSPP	1
NPT	9

Port Size	
Global Modular Mini (1/4")	2
Global Modular Compact (1/2")	4

1

2

S

G

N

Actuator Interface

G	15mm Solenoid (P31 only)
C	30mm Solenoid
P	Threaded Air Pilot

Pilot Type

P	External Air Pilot
S	Solenoid Pilot

Solenoid type only

C	15mm (P31 series only)
A	30mm CNOMO Coil (P32 only)
D	30mm CNOMO Coil (M12 connection) (P32 only)

Solenoid Voltage	
2CN	24VDC Non Locking Manual Override
3GN	120VAC Non Locking Manual Override
1FN	120VAC Non Locking Manual Override (P31 series only)

Note:
P32 unit used for both
P32 & P33 series

Note: No external air pilot option for P31.

Note:
P32 unit used for both
P32 & P33 series

Note: No external air pilot option for P31.

Most Popular

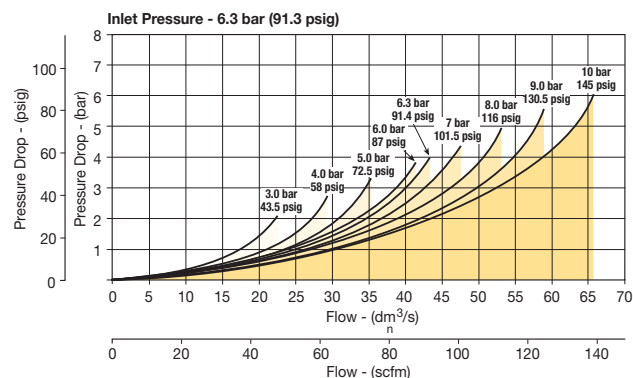


Material Specifications

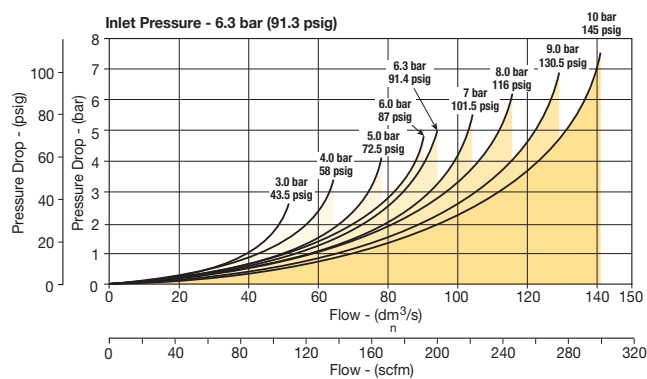
Body	Aluminum
Body cover	Polyester
Seals	Nitrile NBR

Flow Charts

P31DA 1/4" Remote Dump Valve

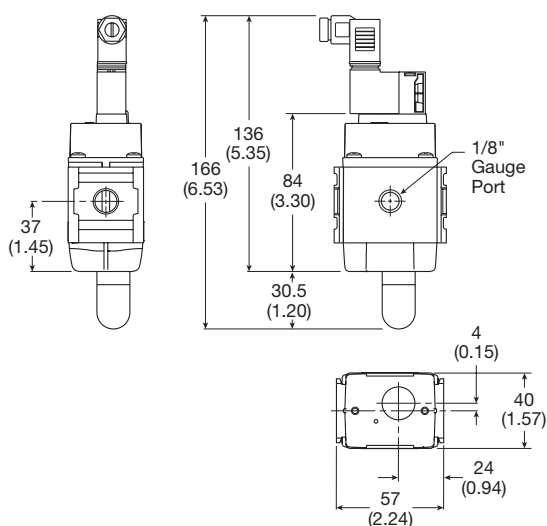


P32DA 1/2" Remote Dump Valve

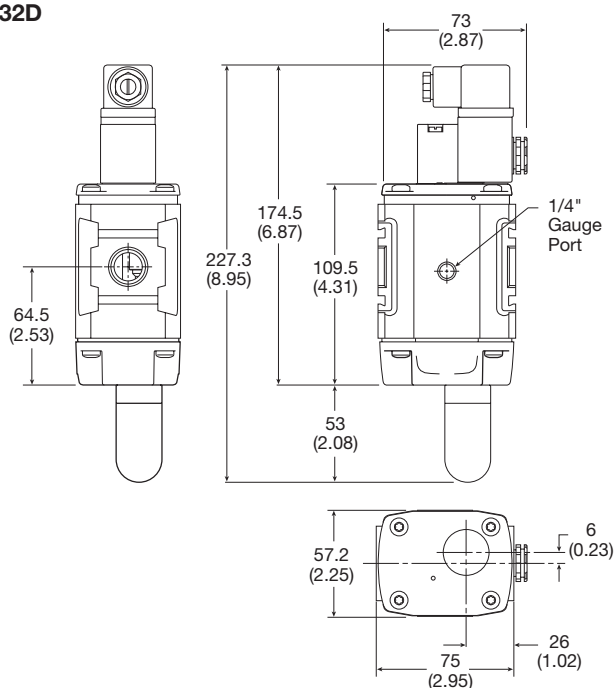


Dimensions mm (inches)

P31D



P32D



Most Popular