Remote Operated Dump Valve



Symbols

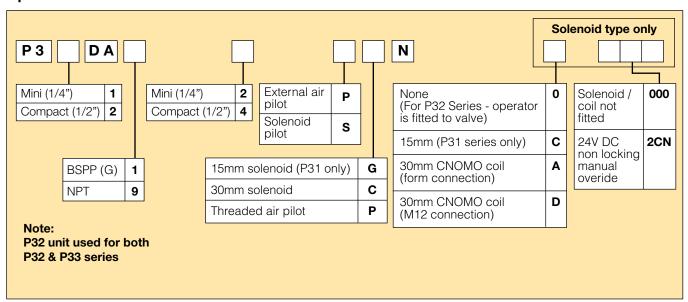


- Modular design with 1/4" or 1/2" integral ports (BSPP or NPT)
- The 3-way, 2-position function automatically dumps downstream pressure on the loss of pilot signal
- Solenoid or air pilot options
- High flow & exhaust capability
- Silencer included

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.

Options:



Remote operated dump valve

Port size	Description	Order Code		ow (scfm)	M bar	1ax (psi)	Height mm	Width mm	Depth mm	Weight
1/4	Solenoid operated (not included)	P31DA12SGN0000	17	(36)	10	(150)	115.6 (4.5)	57 (2.2)	40 (1.5)	0.37kg (0.8lbs)
1/4	24VDC Solenoid & cable plug	P31DA12SGNC2CN	17	(36)	10	(150)	166* (6.5)	57 (2.2)	40 (1.5)	0.41kg (0.9lbs)
1/4	Air pilot operated	P31DA12PPN	17	(36)	17	(250)	115.6 (4.5)	57 (2.2)	40 (1.5)	0.37kg (0.8lbs)
1/2	Solenoid operated (not included)	P32DA14SCN0000	51	(108)	10	(150)	162.5* (6.3)	75 (2.9)	57.2 (2.2)	0.69kg (1.5lbs)
1/2	24VDC 30mm coil & cable plug incl.	P32DA14SCNA2CN	51	(108)	10	(150)	227.5* (8.9)	75 (2.9)	57.2 (2.2)	0.91kg (2.0lbs)
1/2	Air pilot operated	P32DA14PPN	51	(108)	17	(250)	162.5*(6.3)	75 (2.9)	57.2 (2.2)	0.69kg (1.5lbs)

^{*} Includes exhaust silencer.



Parker Global Air Preparation System

Technical Information

Fluid:		Compressed air
Max pressure Solenoid operated	d:	10 bar (150 psi)
Max pressure Air Pilot operated:		17 bar (250 psi)
Min operating pressure:		3 bar (44 psi)
Temperature Solenoid operated		-10°C (14°F) to 50° C (122°F)
Temperature Air Pilot operated:		-20°C (-4°F) to 80° C (176°F)
Air Pilot port:		1/8"
Exhaust port:		P31 - 1/4" / P32 - 1/2"
Typical flow with 6.3bar inlet pressure and 1 bar pressure drop:	P31 P32	17 dm³/s (36 scfm) 51 dm³/s (108 scfm)

 $^{^\}star$ Air supply must be dry enough to avoid ice formation at temperatures below +2°C Snap pressure: Full flow when downstream pressure reaches 50% of the inlet pressure

Material Specification

Body:	Aluminium
Body cover:	Polyester
Seals:	Nitrile NBR

P31 Series only - Solenoids 15mm NC, standard flow DIN 1.2W / 1.6 VA

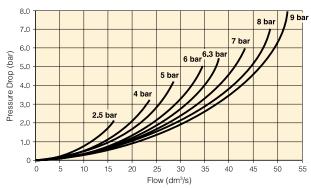
		Voltage	Weight g	Order code Override, blue, non locking flush
		12 VDC	38	P2E-KV32B1
_	0	24 VDC	38	P2E-KV32C1
		48 VDC	38	P2E-KV32D1
	7 T 1 7 T 3 1	24 VAC 50 Hz	38	P2E-KV31C1
		48 VAC 50/60 Hz	38	P2E-KV34D1
		115 VAC 50 Hz/	38	P2E-KV31F1
		120 VAC 60 Hz		
		230 VAC 50 Hz/	38	P2E-KV31J1

240 VAC 60 Hz

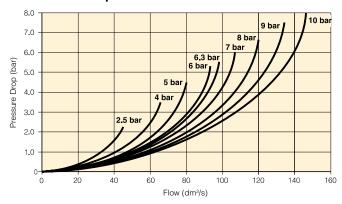
For cable plugs (connectors) see page 69.

Flow characteristics

1/4 Remote Dump Valve



1/2 Remote Dump Valve



P32 Series

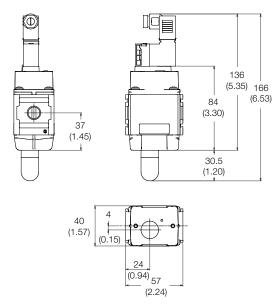
For other solenoid operators and cable plugs (connectors) see pages 68 to 69.

Mounting brackets

Description	Order code P31
L-Bracket mounting kit	P3HKA00ML
Foot bracket mounting kit	P3HKA00MC

Dimensions (mm)

P31



For mounting brackets see page 52

