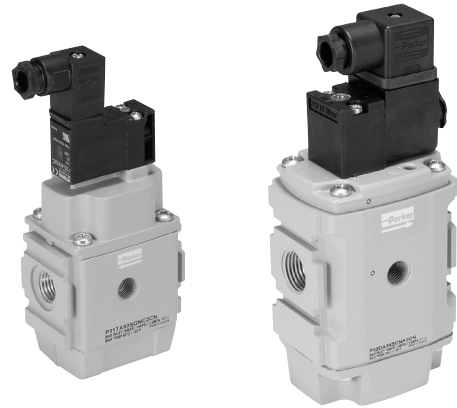
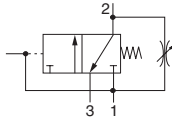


P31T & P32T Combined Soft Start / Dump Valves

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



Parker Global Series Combined Soft Start / Dump Valves, provide for the safe introduction of pressure to machines or systems. Soft Start / Dump Valves when set, allow the pressure to gradually build to the set point before fully opening to deliver full flow at line pressure.

The controlled introduction of pressure can be an important safety factor and prevent damage to tooling when air pressure is introduced at machine or system start up.

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)	P31TA12SGNC1FN
1/4"	24VDC Solenoid & cable plug	0.9 (0.41)	P31TA12SGNC2CN
1/4"	External air pilot operated	0.8 (0.37)	P31TA12PPN
1/2"	120VAC 30mm coil & cable plug incl.	1.9 (0.87)	P32TA14SCNA3GN
1/2"	24VDC 30mm coil & cable plug incl.	2.0 (0.91)	P32TA14SCNA2CN
1/2"	External air pilot operated	1.9 (0.87)	P32TA14PPN

Operating Information

Flow capacity*:	P31T	36 scfm (17 dm ³ /s, ANR)
	P32T	97 scfm (46 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	P31T - 1/4; P32T - 1/2
	Gauge	P31T - 1/8; P32T - 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:

P31TA		1	2	S	G	N	Solenoid type only		
Body Size		Thread Type		Actuator Interface		Solenoid Voltage		C	2CN
Soft Start / Dump Valve (1/4") P31TA		BSPP 1		G 15mm Solenoid (P31 only)		2CN 24VDC Non Locking Manual Override			
Soft Start / Dump Valve (1/2") P32TA		BSPT 2		C 30mm Solenoid		3GN 120VAC Non Locking Manual Override			
		NPT 9		P Threaded Air Pilot		1FN 120VAC Non Locking Manual Override (P31 series only)			
Port Size		Pilot Type		Solenoid Type					
Global Modular Mini (1/4") 2		P External Air Pilot		C 15mm (P31 series only)					
Global Modular Compact (1/2") 4		S Solenoid Pilot		A 30mm CNOMO Coil (P32 only)					
				D 30mm CNOMO Coil (M12 connection) (P32 only)					

Note: P32 unit used for both P32 & P33 series

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Material Specifications

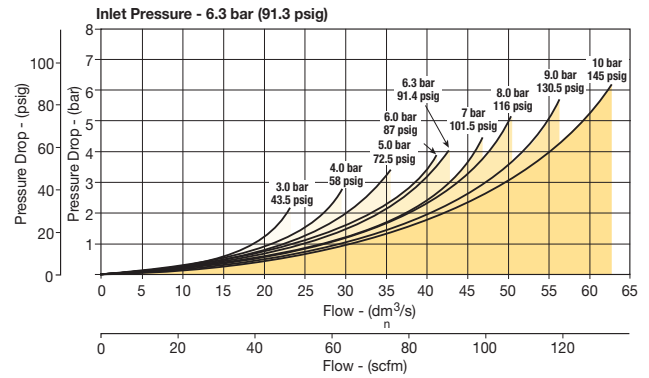
Body	Aluminum
Body cover	Polyester
Seals	Nitrile NBR

Mounting Brackets

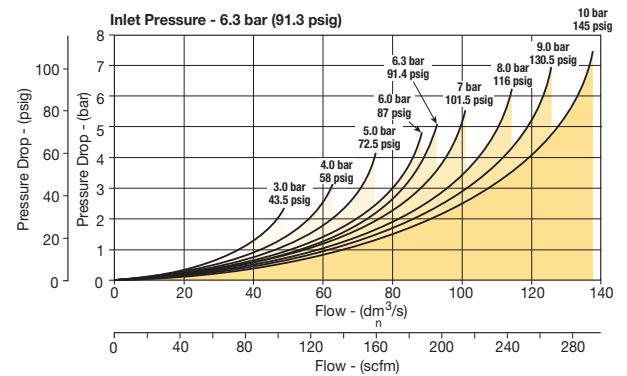
	Description	Part Number
		P31D
P31	L-bracket mounting kit	P3HKA00ML
P31	Foot bracket mounting kit	P3HKA00MC

Flow Charts

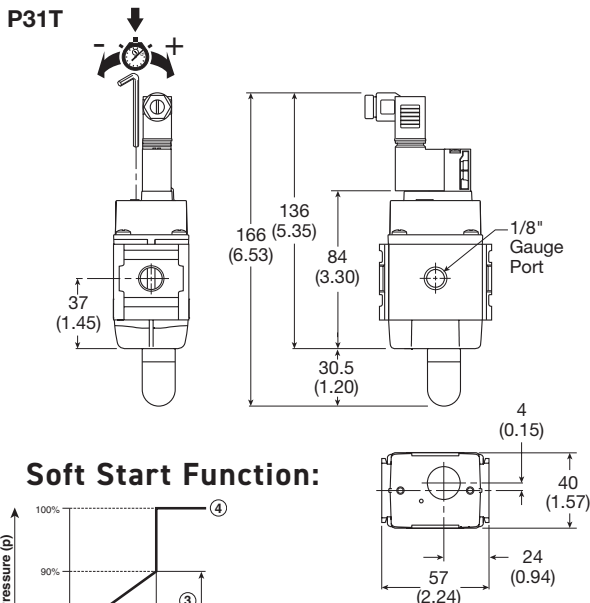
P31TA 1/4" Soft Start & Dump Valve



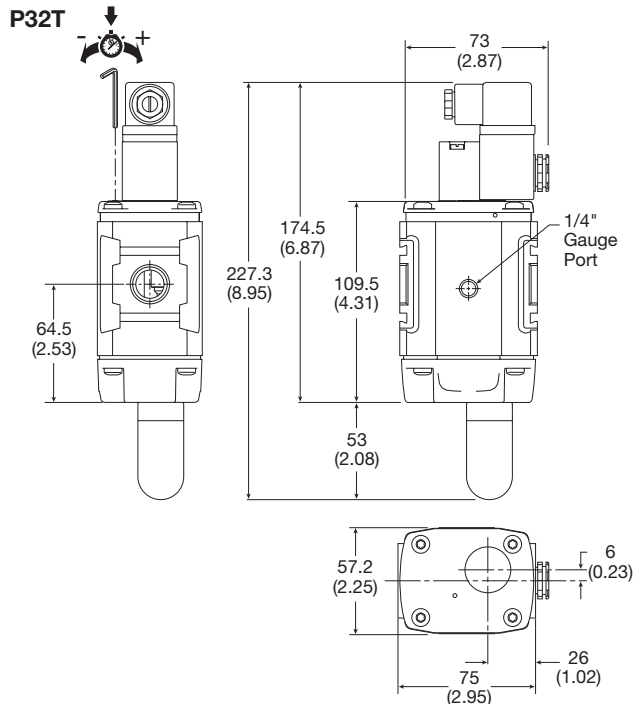
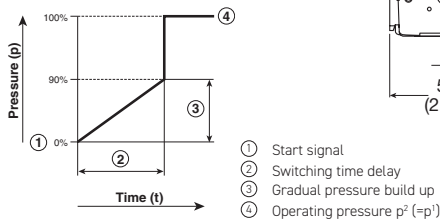
P32TA 1/2" Soft Start & Dump Valve



Dimensions mm (inches)



Soft Start Function:



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