
PDV-500T Pneumatic Drain Valve

Zero air loss saves energy.

The PDV-500T is a heavy duty zero loss pneumatic drain valve that saves energy and will not clog. With no electricity need for operation, the PDV-500T is well suited for remote or portable applications and is safe to operate in hazardous areas.

The PDV-500T activates on demand, only when condensate is present and releases no valuable compressed air. A stainless steel float rises and moves a magnet over a pilot valve housing. When the float reaches a preset level, the pilot valve releases control air to open the ball valve allowing the captured liquid to drain. The liquid in the vessel drops, but does not fall far enough to lose any compressed air.

The PDV-500T is ideal for draining:

- Air receivers
- Moisture separators
- Drop legs
- Coalescing filters
- Deliquescent and refrigerated dryers

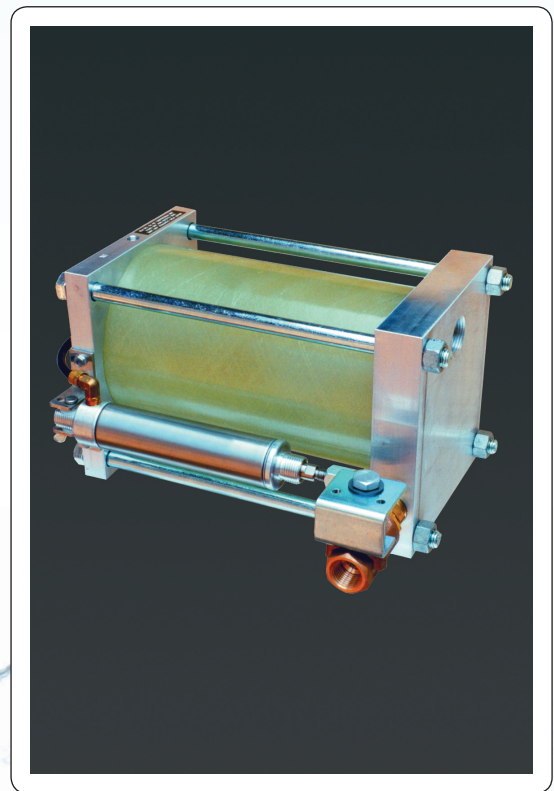
F E A T U R E S

Zero air loss

Full flow ball valve

Visible liquid level to verify performance

Optional stainless steel ball valve



BENEFITS OF THE PDV SERIES

Does not clog // Easy to monitor

vanairsystems.com

SPECIFICATIONS

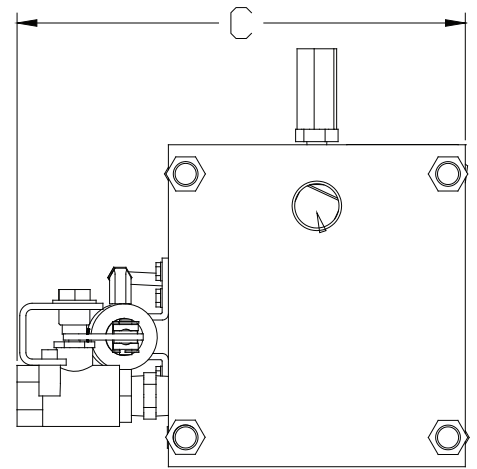
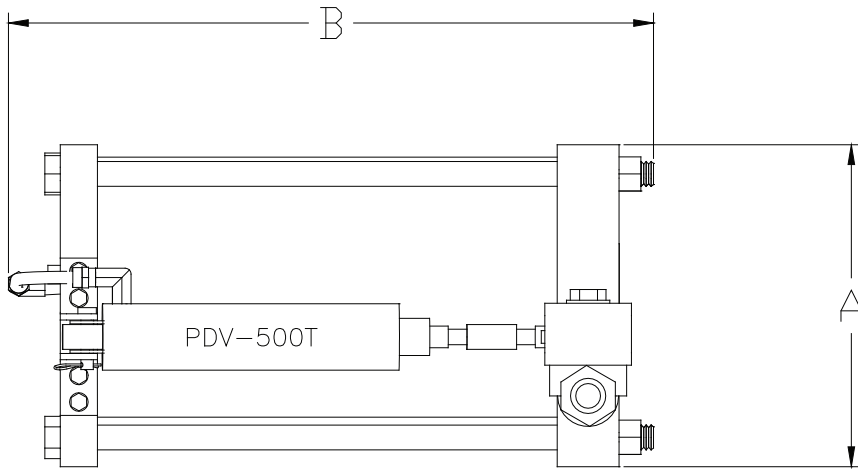
- Inlets: (2) 3/4" NPT
- Outlet: 1/2"
- Instrument air: 80 to 130 PSI
- Instrument air connection: 1/8" NPT
- Operating pressure: 0 to 250 PSI
- Operating temperature: 32 to 180° F
- Weight: 16 lbs.
- Test button
- Translucent reservoir
- Brass ball valve (stainless optional)
- Stainless steel float
- Stainless steel seat
- Viton seal

OPTIONAL EQUIPMENT

- Stainless steel ball valve
- Heater
- 750 PSIG design pressure

DIMENSIONS & SPECIFICATIONS

Model No.	A		B		C		Inlet Conn.	Outlet Conn.	Valve Orifice	Working Pressure Range PSIG / BARG	Weight	
	in	cm	in	cm	in	cm					lbs	kg
PDV-500T	6 1/2	16.5	13 5/8	34.6	9.1	23.1	3/4" NPT	1/2" NPT	Brass	250 / 17.2	16	7.3
PDV-500T-SS	6 1/2	16.5	13 5/8	34.6	9.1	23.1	3/4" NPT	1/2" NPT	Stainless	250 / 17.2	16	7.3



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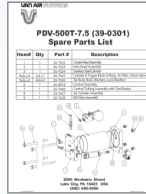
PDV Series - PDF Downloads

Installation, Operation and Maintenance Manuals

PDV-500T



PDV-500T-Spare Parts



Sales Drawings

PDV-500Ta

