



## PDV-500 Series Pneumatic Drain Valves

### Zero air loss saves energy.

The PDV-500 series drain valves are heavy duty zero loss pneumatic drain valves that save energy. With no electricity needed for operation, the PDV-500 Series 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. As liquid enters the valve canister, the stainless steel float rises. When the float reaches a preset level, the magnet lifts off the seat and 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 before the magnetic seat re-engages.

The **PDV-500T-EZ** is fully automatic plug-n-play design zero loss drain that requires no electricity. This drain valve has a translucent reservoir for visual assurance of operation and a bronze valve body. It's easy to install and is great for tight spaces.

The **PDV-500T-7.5** is a fully automatic high pressure, zero loss drain that requires no electricity. With a durable stainless steel reservoir this drain valve is ideal for systems up to 750 PSI.

### The PDV-500 is ideal for draining:

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

#### FEATURES

Zero air loss

No electricity needed

Visible liquid level to verify performance

Compact designs



### BENEFITS OF THE PDV SERIES

Zero Loss // Easy to Operate // Reliable

[vanairsystems.com](http://vanairsystems.com)

## SPECIFICATIONS

### PDV-500T

- Inlets: (2) 3/4" NPT
- Outlet: 1/2"
- 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

### PDV-500T-EZ

- Inlets: (2) 1/2" NPT
- Outlet: 3/8"
- Operating pressure: 70 to 200 PSI
- Operating temperature: 32 to 180° F
- Weight: 16 lbs.
- Translucent reservoir
- Brass valve
- Stainless steel float
- Stainless steel seat
- Viton seal

### PDV-500T-7.5

- Inlets: (2) 3/4" NPT
- Outlet: 1/2"
- Instrument air: 80 to 130 PSI
- Operating pressure: 0 to 750 PSI
- Operating temperature: 32 to 180° F
- Weight: 22 lbs.
- 304 Stainless reservoir
- Stainless steel ball valve (stainless optional)
- Stainless steel float
- Stainless steel seat
- Viton seal

**Note:** Control air pressure of 80-120 PSIG is required for proper operation. For lower control air pressure applications, please consult the factory.

DIMENSIONS & SPECIFICATIONS												
Model No.	Height		Width		Depth		Inlet Conn.	Outlet Conn.	Valve Orifice	Working Pressure Range PSIG / BARG	Weight	
	in	cm	in	cm	in	cm					lbs	kg
PDV-500T	8.5	21.6	13.6	34.5	9.1	23.1	3/4" NPT	1/2" NPT	Brass	250 / 17.2	16	7.3
PDV-500T-SS	8.5	21.6	13.6	34.5	9.1	23.1	3/4" NPT	1/2" NPT	Stainless	250/17.2	16	7.3
PDV-500T-EZ	8.4	21.3	7	17.8	4.8	12.2	1/2"NPT	3/8" NPT	Brass	200/13.8	8	3.6
PDV-500T-7.5	10.5	26.7	14.5	36.8	6.5	16.5	3/4" NPT	1/2" NPT	Stainless	750 / 51.7	22	9.8

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## PDV Series - PDF Downloads

### Installation, Operation and Maintenance Manuals

PDV-500T



PDV-500-Spare Parts



### Sales Drawings

PDV-500Ta

