



## Pneumatic Drain Valve

Models PDV-500T

- No electricity needed - Ideal for remote and portable applications
- Zero air loss saves energy
- Full flow ball valve for reliable operation
- Visible liquid level verifies performance
- Safe operation in hazardous areas



### Application Versatility

The new PDV-500T from Van Air is a versatile draining system that is ideal for receivers, dryers, tanks, drop legs, pipes or any equipment requiring regular condensate removal.

With no electricity needed for operation, it is well suited for remote or portable applications and is safe to operate in any hazardous area.

### Zero Air Loss

As a demand operated drain, the PDV-500T automatically does the work for you. It eliminates the guess work of setting the cycle or drain open times.

As the condensate levels change, the PDV-500T automatically adjusts to drain as needed, without allowing valuable compressed air to escape.

### Reliable Operation

Designed with a full flow ball valve and proprietary pilot valve using a magnet and proximity switch, the PDV-500T will not clog. This unique pilot valve design allows the control air to be totally separated from the condensate, preventing any attraction of pipe scale.

The ball valve eliminates the need to install a strainer. This means better dependability than competitive units.

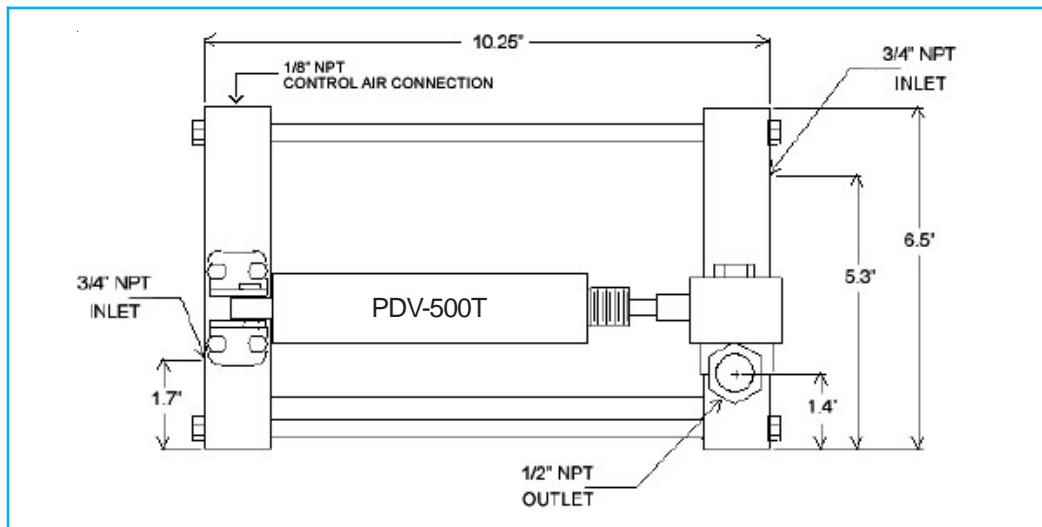
### Easy Maintenance

The see-through vessel allows visual inspection of the condensate. With the optional test button, you can easily check valve operation or manually drain the system.

## How It Works

A stainless steel float rises and moves a magnet over a pilot valve housing. When it reaches a preset level, the pilot valve releases control air and opens the ball valve. The liquid in the vessel drops, but does not fall far enough to lose any compressed air. This makes operation quiet.

## Dimensions



## Specifications

Inlets ..... (2) 3/4" NPT  
 Outlet ..... 1/2" NPT  
 Powered by ..... Clean, dry compressed air  
 ..... 80 to 130 PSI  
 Control Air Connection ..... 1/8" NPT  
 Housing Pressure ..... 0 to 250 PSI  
 Operating Temperature ..... 32° to 180° F  
 Weight ..... 16 Lbs.  
 Discharge .... 24 ounces per cycle @ 100 PSIG  
 Test button ..... Standard

## Materials

Reservoir ..... Aluminum and composite  
 Valve ..... Bronze with stainless ball and stem  
 Float ..... Stainless steel  
 Seat ..... Stainless steel  
 Seal ..... Viton

## Accessories

- Heater ..... 39-0289
- Stainless steel ball valve ..... 39-6880

## How To Order

<u>Model Number</u>	<u>Description</u>	<u>Valve Body</u>	<u>Part Numbers</u>
Model PDV-500T	Includes test button for manual operation	Brass	39-0284
Model PDV-500T	Includes test button for manual operation	Stainless	39-0286

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