



Condensate Drains

AUTOMATIC DRAIN VALVE

Our **Automatic Drain Valves** work on any compressed air system up to 250 psi and do not air-lock during operation.



HIGHLIGHTED FEATURES

- 1 **Electronic Timer**
- 2 **Power Lead (2m) with Plug**
- 3 **Forged Brass Solenoid Valve**



COMBI DRAIN VALVE

Our **Combi Drain Valve** body incorporates a manual isolation valve and stainless steel strainer screen that removes contaminants before reaching the valve orifice.

ADDITIONAL FEATURES

- Completely assembled, ready to install
- Adjustable time scales to suit any condensate discharge times
- Drain test switch
- Yellow LEDs to indicate the status
- Forged brass direct acting solenoid valve
- Viton seals
- High-precision stainless steel internals
- Valve options: 1/8", 1/4", 3/8", 1/2"
- IP65 Sealed Cap Nut

HIGH-PRESSURE DRAIN VALVE

Our **High-Pressure Drain Valves** offer all the features of our standard drain valve at pressure ratings up to 4,000 psi.

AVAILABLE PRESSURE RATINGS

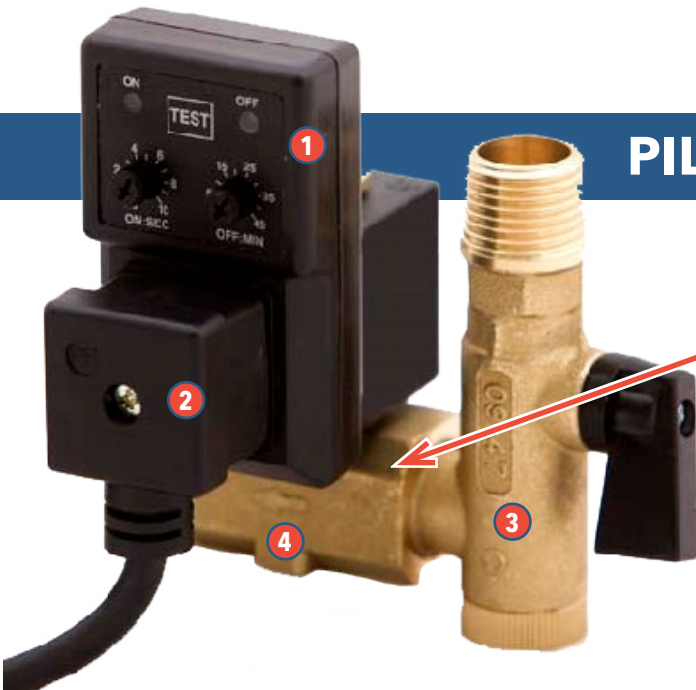
- 725 psi
- 1,500 psi
- 4,000 psi

Other pressure ratings available on request



PILOT-OPERATED DRAIN VALVE

Our **Pilot-Operated Drain Valves** have a larger 11mm orifice for a higher drain rate



HIGHLIGHTED FEATURES

- 1 Electronic Timer
- 2 Power Lead (2m) with Plug
- 3 Filter Ball Valve
- 4 Forged Brass Pilot-Operated Solenoid Valve

ADDITIONAL FEATURES

- Completely assembled, ready to install
- Adjustable time scales to suit any condensate discharge times
- Drain test switch
- Forged brass direct acting solenoid valve
- Viton seals
- High-precision stainless steel internals

BOX VALVE

Our **Box Valves** feature a switch indicator light that illuminates when the valve is in the open position.



HIGHLIGHTED FEATURES

- 1 Adjustable ON/OFF Time**
- 2 Manual Override Switch**
- 3 Power Lead (2m) with Plug**
- 4 Forged Brass Solenoid Valve**
(also available with an Integrated Combi Valve)

ADDITIONAL FEATURES

- Completely assembled, ready to install
- Adjustable time scales to suit any condensate discharge times
- Drain test switch
- Forged brass direct acting solenoid valve
- Viton seals
- High-precision stainless steel internals

CUSTOMIZABLE OPTIONS

Along with our standard product configuration, we also offer an extensive range of **customizable options** to suit your needs. These include the following:



Private labeling including customer logo and colors



Illuminated Power Lead



Filter Ball Valve



FBV fitted with Vented Cap Nut

ELECTRONIC NO-LOSS DRAIN VALVE

Our **Electronic No-Loss Drain Valves** features a level-sensing drain switch that helps remove harmful condensate from receiver tanks, aftercoolers, dryers, filters and drip legs.



HIGHLIGHTED FEATURES

- 1 **Test Facility**
- 3 **Inlet Ports x2 (1/2" or 3/4")**
- 2 **Status Display**
- 4 **Outlet (3/8" or 1/2")**

ADDITIONAL FEATURES

- Completely assembled, ready to install
- Fully automatic in a rugged, compact form
- 100% continuous duty
- Drain test switch
- Forged brass direct acting solenoid valve
- High-precision stainless steel internals
- Viton seals

Compressor		No-Loss Drain Product Selection Tool					
		Typical Percent of System Condensate (by location)					
HP	CFM	55%	10%	10%	20%	2.5%	2.5%
		After-Cooler	Wet Receiver Tank	Pre-Filter	Refrigerated Dryer	After-Filter	Dry Receiver Tank
Up To 20	90	300-01-005	300-01-005	300-01-005	300-01-005	300-01-005	300-01-005
40	180	300-01-005N	300-01-005	300-01-005	300-01-005	300-01-005	300-01-005
50	225	300-01-005N	300-01-005	300-01-005	300-01-005	300-01-005	300-01-005
60	270	300-01-015	300-01-005	300-01-005	300-01-005N	300-01-005	300-01-005
75	338	300-01-015	300-01-005	300-01-005	300-01-005N	300-01-005	300-01-005
100	450	300-01-050	300-01-005	300-01-005	300-01-015	300-01-005	300-01-005
125	563	300-01-050	300-01-005	300-01-005	300-01-015	300-01-005	300-01-005
150	675	300-01-050	300-01-005	300-01-005	300-01-015	300-01-005	300-01-005
175	788	300-01-050	300-01-005	300-01-005	300-01-015	300-01-005	300-01-005
200	900	300-01-050	300-01-005	300-01-005	300-01-015	300-01-005	300-01-005
250	1,125	300-01-050	300-01-005	300-01-005	300-01-050	300-01-005	300-01-005
300	1,350	300-01-050	300-01-005	300-01-005	300-01-050	300-01-005	300-01-005
400	1,800	300-01-150	300-01-005N	300-01-005N	300-01-050	300-01-005	300-01-005
500	2,250	300-01-150	300-01-005N	300-01-005N	300-01-050	300-01-005	300-01-005
750	3,375	300-01-150	300-01-005N	300-01-005N	300-01-050	300-01-005	300-01-005
1,000	4,500	300-01-150	300-01-005N	300-01-005N	300-01-050	300-01-005	300-01-005
1,500	6,750	300-01-150	300-01-005N	300-01-005N	300-01-050	300-01-005	300-01-005

How to Use the NLD Product Selection Tool
Locate your compressor horsepower (for multiple compressors use the total system horsepower) or the total flow rate in the compressed air system. Follow the row to the column of the particular install point for the correct model for your application.

For example, a system with a total compressor horsepower of 150 HP requiring a drain installed at the after-cooler calls for model 300-01-050.

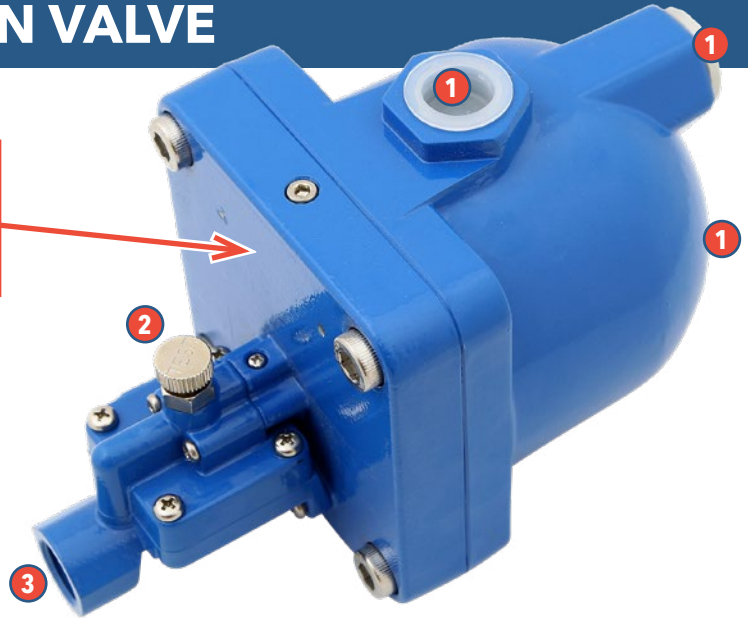
This table is intended as a guideline only. It is important to consider climate variations and how different pressures, humidity levels, and flow fluctuations affect selection.

MECHANICAL NO-LOSS DRAIN VALVE

Our **Mechanical No-Loss Drain Valves** offer no air loss with no electric supply required.

HIGHLIGHTED FEATURES

- 1 Inlets x3
- 2 Manual Test Facility
- 3 Outlet



ADDITIONAL OFFERINGS



The **Digital Drain Valve** timer provides ultimate drain open/close flexibility.



The **Solenoid Valve Timer** automates the ON/OFF time of the solenoid valve in any pneumatic system.

**NEW
ITEM**

The pivoting **Ball Valve** controls the flow of liquid or gas by way of a rotary ball with a bore in the center and a rotating stem on top to open or close the valve.

MOTORIZED BALL VALVE

Our **Programmable Motorized Ball Valves** offer users a non-block approach to condensate removal from compressed air systems.



FEATURES

- For use where large particles may block other drain valves
- Available sizes: 1/4", 3/8", 1/2", 3/4", 1", 1 1/2"
- Programmable timing (non-programmable versions available)

FILTER BALL VALVE



Our **Filter Ball Valves** feature internal stainless steel filters and filter screens.

FEATURES

- Stainless steel filter screens
- Output sizes: 1/8", 1/4", 3/8", 1/2"
- Optional vented cap nut available



THE ORIGINAL CREATOR OF THE SOLENOID VALVE DRAIN TIMER

Powerflow Electronics was established in 1982, specializing in designing, developing, and manufacturing of electronic control and automation equipment for industrial and commercial applications, with a particular emphasis on the compressed air industry.

LEADER IN CONDENSATE MANAGEMENT FOR OVER 40 YEARS

With more than 40 years experience, Powerflow has become the supplier of choice for all the world's leading Compressed Air equipment OEMs. The form and function of our Solenoid Valve Drain Timer have become the industry standard in Solenoid Drain Timers.