



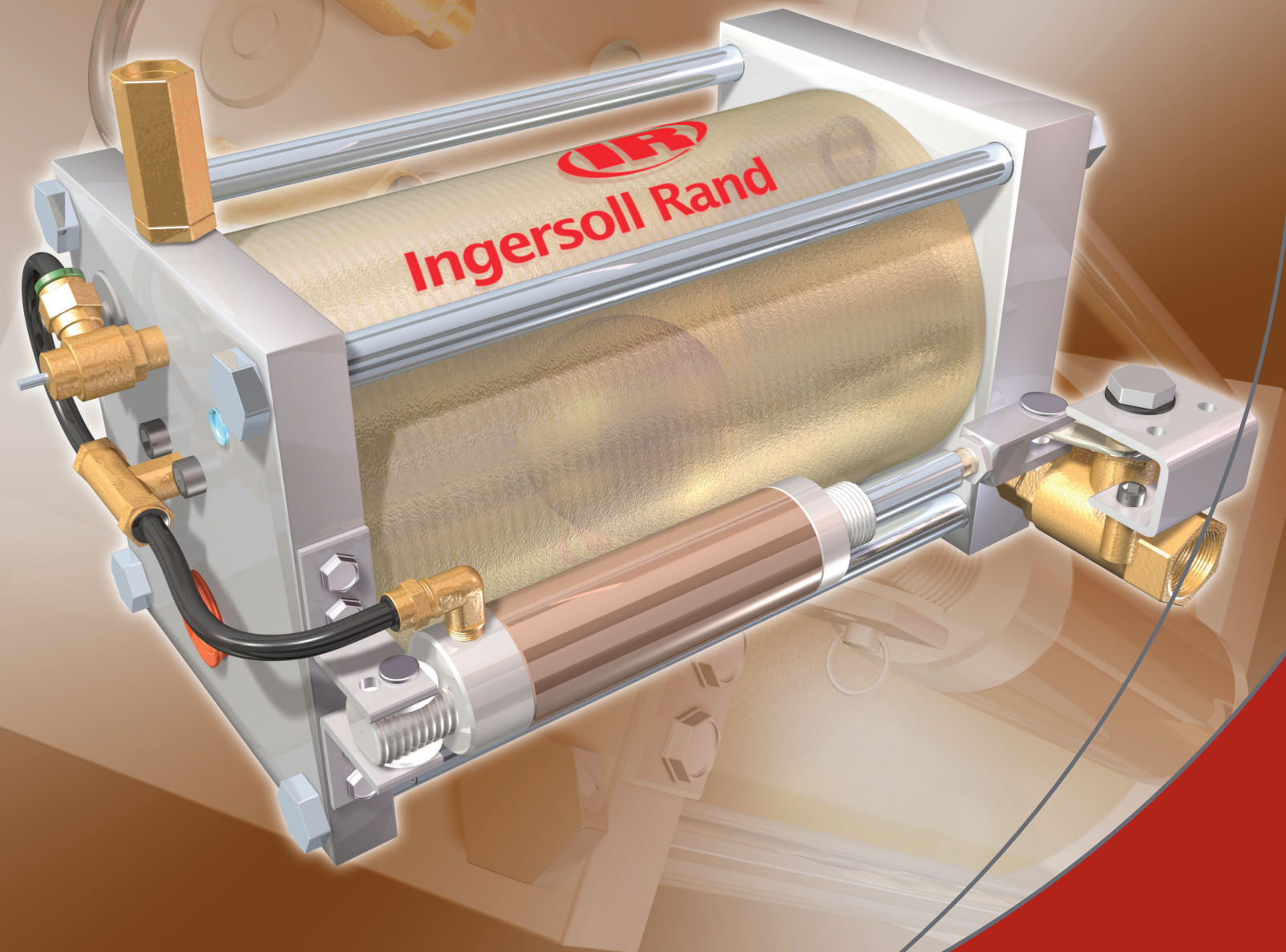
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## PNLD II

Pneumatic No-Loss Drain



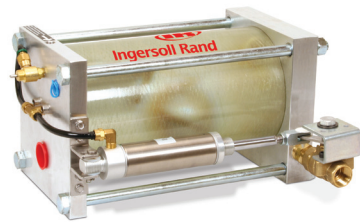
# PNLD II

## Pneumatic No-Loss Drain

The newly enhanced PNLD II units are heavy-duty industrial drain valves that remove condensate without wasting compressed air.

The pneumatically-powered PNLD II requires no electricity, pre-settings, or manual intervention. Designed to complement all compressed air systems including compressors, filters, water separators, dryers, coolers and receivers, the PNLD II is easy to install and will not clog.

A unique air valve design uses magnetic force to ensure a positive opening and closing that prevents attraction of metal particulate. Then an innovative ball valve support-and-positioning system prevents side-loading which causes premature sealing failure around the valve stem. Finally, a rifle-drilled discharge porting ensures that scale and rust exits through a fully ported 1/2" (12.7mm) ball valve. The result? PNLD II saves enough compressed air to pay for itself in six months or less.



### PNLD II 28

#### Features

- 28 oz (828.0 ML) discharge
- Handles compressed air systems from 100 to 30,000 cfm\* (849.5 M³)
- Fully pneumatic
- Zero air loss
- Low profile
- Stainless steel float
- Ideal for oil/water separators
- Non-clogging ball valve
- No strainers to clean
- Operates on demand
- Test button
- Often saves enough compressed air to self-amortize in six months or less

\*All calculations at 70°F and 70% relative humidity.

#### Specifications

- Inlets:(2) 0.75" NPT
- Outlet: 0.5" NPT
- Power: Clean, dry compressed air, 55 to 130 psi (3.8-9 BAR)
- Pressure: 0 to 300 psi (0-20.6 BAR)
- Operating Temperature: 32° to 180°F (0°-82°C)
- Weight: 16 lbs. (7.25 Kg)
- Discharge: 28 ounces (828 ML) per cycle @ 100 psi (6.9 BAR)

#### Materials

- Reservoir: Composite
- Valve: Bronze with stainless steel ball and stem
- Float: Stainless steel
- Seat: Stainless steel
- Seal: Viton

### PNLD II 28 Part Numbers

| CCN       | Description            | Designation          | Control Air                 | Operating PSI      |
|-----------|------------------------|----------------------|-----------------------------|--------------------|
| 22890214  | Trap, Condensate 28 oz | Low Pressure (LP)    | 40-130 psi (2.75 - 8.9 BAR) | 300 psi (20.7 BAR) |
| 22699706  | Trap, Condensate 28 oz | Medium Pressure (MP) | 55-130 psi (3.79 - 8.9 BAR) | 300 psi (20.7 BAR) |
| 22758643* | Trap, Condensate 28 oz | High Pressure (HP)   | 55-130 psi (3.79 - 8.9 BAR) | 750 psi (51.7 BAR) |

\*The high-pressure PNLD II is fully stainless steel.

### PNLD II 28 LP & MP Options

| CCN      | Description                                      |
|----------|--------------------------------------------------|
| 38441192 | High Level Alarm Kit 100 psi (6.89 BAR)          |
| 38441200 | Heater Option                                    |
| 38441218 | PNLD II 28 With all external nickel-plated parts |
| 38441226 | PNLD II 28 With SS Ball Valve                    |



### PNLD II 12

#### Features

- 12 oz discharge (354.9 ML)
- Handles compressed air systems from 0 to 400 cfm\* (11.3 M³)
- Compact design
- No fittings to change
- 200 psi (14 BAR) maximum operating pressure
- Stainless steel float
- Metal internal components
- Fully pneumatic
- No wasted air
- Operates on demand
- Test button

#### Specifications

- Fluid Ports: Size 0.5" NPT
- Outlet: 0.38" NPT
- Discharge: 12 ounces (354.8 ML) per cycle @ 100 psi (6.8 BAR)

#### Operating Parameters

- Pressure: 0 to 200 psig (14 BAR)
- Allowable Fluid Temperature: 32°-180°F (0°-82°C)

#### Materials

- Reservoir: Composite
- Valve: Bronze with stainless steel ball and stem
- Float: Stainless steel
- Seat: Stainless steel
- Seal: Viton

### PNLD II 12 Part Numbers

| CCN      | Description                                    | Operating PSI    |
|----------|------------------------------------------------|------------------|
| 38439840 | (PNLD II 12) Trap, Condensate 12 oz (354.8 ML) | 200 psi (14 BAR) |