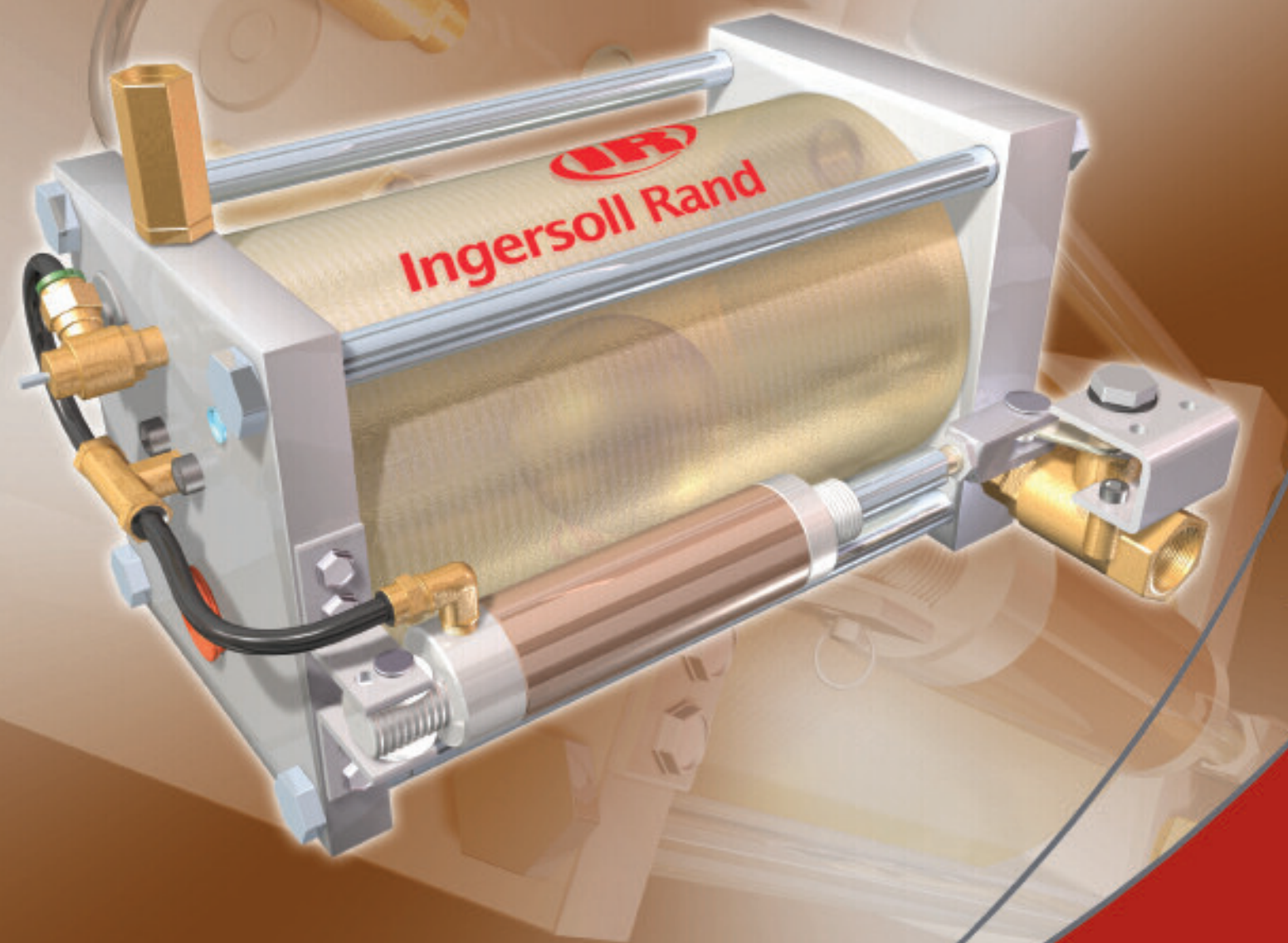


## PNLD II

Pneumatic No-Loss Drain



This sector provides products, services and solutions to enhance the efficiency and productivity of our commercial, industrial and process customers. Our Ingersoll Rand brand products include tools, pumps, material and fluid handling systems, microturbines, air compressors and air system components.

# 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

- 0.83 L discharge.
- Handles compressed air systems from 2.83 to 849.5 m<sup>3</sup>/min\*
- 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 21°C and 70% relative humidity.

#### Specifications

- Inlets: (2) 0.75 BSP
- Outlet: 0.5 BSP
- Power: Clean, dry compressed air: 3.8-9 BAR
- Pressure: 0-31 BAR
- Operating Temperature: 0°-82°C
- Weight: 7.25 kg
- Discharge: 0.83 L @ 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

CPN	Description	Designation	Control Air	Operating BAR
38445490	PNLD 28	Low Pressure (LP)	2.75 - 8.9 BAR	31 BAR
38444345	PNLD 28	Medium Pressure (MP)	3.8 - 9 BAR	31 BAR
38445508*	PNLD 28	High Pressure (HP)	3.8 - 9 BAR	51.7 BAR

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

### PNLD II 28 LP & MP Options

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



### PNLD II 12

#### Features

- 0,35 L discharge
- Handles compressed air systems from 0 to 11.3 m<sup>3</sup>/min\*
- Compact design
- No fittings to change
- 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 BSP
- Outlet: 0.38 BSP
- Discharge: 0,35 l @ 6,8 BAR

#### Operating Parameters

- Pressure: 0-14 BAR
- Allowable Fluid Temperature: 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

CPN	Description	Operating BAR
38444352	(PNLD II 12) Trap, Condensate 0.35 L (1.2oz)	14 BAR