

**Pneumatic No Air Loss Drain**

**PNLD 16 – 52 General Description**

The Ingersoll-Rand Pneumatic No-Loss Drain (PNLD) has an internal float that lifts as condensate accumulates inside the canister. When the condensate reaches a certain level, the float opens a valve to an actuation cylinder, which opens the condensate relief valve. Once the condensate is removed, the float falls to close the valve. No air is lost while the condensate is removed. The drain does not require any pre-setting or manual intervention. The drain is compatible with all types of compressor lubricant.

The maximum pressure is 200 psig, and the operating temperature range is 35 °F to 150 °F. The 52-oz drain is pilot-operated with an independent, clean, and dry air source between 55 and 120 psig. If an independent source is not available, then system air can be used, but it is recommended that the pilot air filter be replaced more frequently. The 16-oz drain, for 2-100 HP compressors, does not operate with a pilot, so the system air must be used.

To simplify the connection for the pilot air on the 52-oz drain, an installation kit is included with the drain. The kit includes:

- 1x Pilot air filter, 40 mm
- 2x Straight male connector, 1/4" x 1/8" fitting
- 10 ft of 1/4" polyethylene tubing

**PRODUCT OFFERING**

| Model  | CCN      | Connections                         |          |          | Condensate Capacity [ounce] | Dry Weight [lbs] | Single Cycle Discharge @ 100 psig [ounce] |
|--------|----------|-------------------------------------|----------|----------|-----------------------------|------------------|-------------------------------------------|
|        |          | Inlet                               | Outlet   | Pilot    |                             |                  |                                           |
| PNLD16 | 42528661 | 1/2" NPT (top)<br>3/8" NPT (bottom) | 3/8" NPT | n/a      | 16                          | 7                | 12                                        |
| PNLD52 | 42528679 | 1/2" NPT (top)<br>1/2" NPT (bottom) | 1/2" NPT | 1/8" NPT | 52                          | 13               | 44                                        |

**Replacement 52-oz Drain Filter Element CCN: 38030300**