

Pneumatic No Air Loss Drain

Detailed Specifications PNLD 16

Drain valve is designed to discharge condensate from a compressed air system without simultaneously discharging compressed air along with the condensate. It is designed for a maximum drain rate of 1 U.S. gallons per minute at an operating pressure of 100 PSIG. The operating pressure range is between 10 PSIG and 200 PSIG. The condensate inlet is optionally 1/2" (top) or 3/8" (bottom). Either can be used on the drain, it is purely a matter of installation convenience.

Head and base components are anodized for protection in chemically aggressive environments and for compatibility with compressor lubricants. Wetted seals shall be Viton. Internal actuating components shall be aluminum, chemically inert composite materials, acetal and fiberglass.

The discharge valve is opened using an actuator which is powered by compressed air, ideally 55 to 120 PSIG. The source of the necessary compressed air is from the headspace within the drain reservoir. The allowable pressure inside the drain reservoir is 10 PSIG to 200 PSIG.

The drain valve triggers and discharges condensate automatically, upon demand without pre-setting or any other manual intervention required. It activates upon the accumulation of 16 ounces in the reservoir, which may occur every few minutes, or every few days and operation is unaffected by the frequency.

The drain valve includes a manual override or purge function to enable manually emptying the reservoir by forcing discharge of the contents. It also provides an operating test actuator and ball valve.

The allowable operating temperature is 35 degrees F to 150 degrees F.
Dry weight is 6.5 pounds.
Reservoir capacity is 16 ounces (trigger point)
Single cycle discharge is 12 oz. at 100 PSIG.