

PULSE DRAIN

Features:

- For Use With 315 / 315A Filters
- Low Cost
- Compact
- Anodized Aluminum Body

Applications:

- Used On Miniature Point Of Use Filters
- Ideal On Low Flow And Low Pressure Service
- Ideal For Instrument Cabinet Filtration Since The Drain Can Be Tied To Tubing



The Automatic Pulse Drain utilizes a pressure decay to cause it to function. Most compressed air lines have a 10 – 15% pressure decay or variance. The drain will operate with an average of 6% pressure decay.

Installation: Be sure that filter is fully relieved to atmosphere. Remove manual drain valve and replace with the automatic drain unit. The unit has dryseal pipe threads, use pipe dope or tape sparingly on the male threads only.

Maintenance: Be sure that the filter is fully relieved to atmosphere. Unit can be disassembled without removal from the air line unscrews outlet end sub-assembly from body. Remove piston assembly. Clean parts and inside of body with a petroleum solvent or warm soap and water. Wipe inside of body dry with a soft cloth and lubricate with clean, light weight oil.

Caution: Scratches, marring or destroying the finish inside body could cause leaks and malfunction of the drain.

To Reassemble: Place small end of piston sub-assembly into the hole in the center of outlet end sub-assembly. Gently insert or push parts into the body. Hand tighten outlet into the body.

How It Works: When air flows through filter, pressure in upper area equals pressure in sump area and is slightly lower in both areas than filter inlet line pressure (due to friction in flow path). When air flow stops, pressure increases to equal inlet pressure, and forces liquid past piston seal until both match inlet pressure.

As air begins to flow through filter again, pressure in upper area drops so that the pressure in sump area forces the piston to lift the o-ring off seat, dumping the sump accumulation. This reduces pressure in sump, so pressure in upper area forces piston back down closing the drain.

PRINCIPLE SPECIFICATIONS

PD300

Maximum Pressure	300
Maximum Temperature (°F)	175
Principle Dimensions: (inches)	
Body Diameter	1.25
Overall Length	1.50
Inlet Connection	1/8" MNPT
Outlet Connection	3/16" O.D. Tube



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