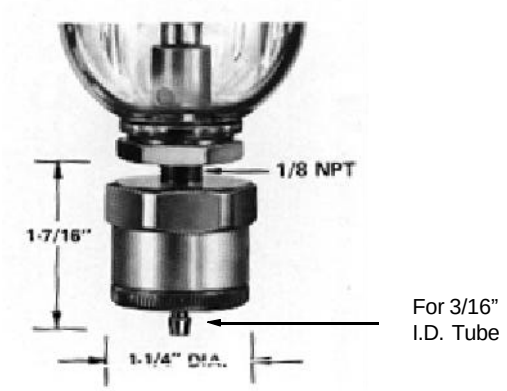
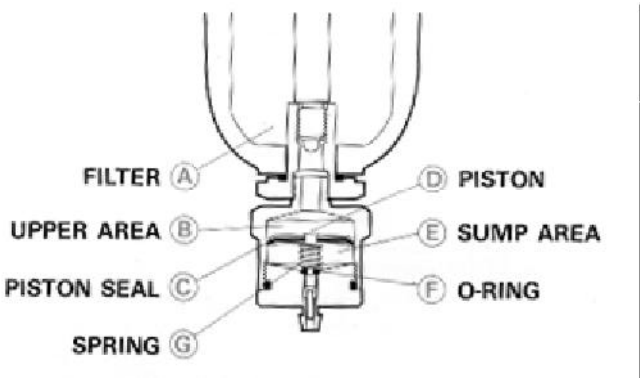
IMPULSE DRAIN



Model 20-101
Converts most present airline filters
(regardless of make) to automatic drain.
(Clear anodized finish standard)

The Monnier Impulse Drain has only one moving part—no floats, levers or pilot mechanisms. Repeated actuation of the unit prevents gum and corrosion build-up, which often causes failure in automatic drains. It is so inexpensive that most users consider it a throw-away item. Replacement takes less than a minute.

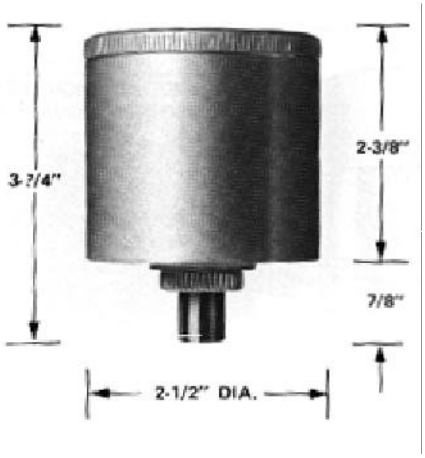
The Monnier Impulse Drain is actuated by a decay in pressure of 10 percent, such as caused by intermittent cycling of valves, tools, or compressor starting and stopping. When system pressure decays to 0 psi, the spring (G) activates drain.



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

As air begins to flow through filter again, pressure in upper area (B) drops, so pressure in sump area (E) forces piston (D) to lift O-ring (F) off seat, dumping the sump accumulation. This reduces pressure in sump (E), so pressure in upper area (B) forces piston back down, closing the drain.

AUTOMATIC FLOAT DRAIN



MODELS 20-401 AND 20-404
(Clear anodized finish standard)
Attaches to bottom of drain legs (or any vertical air line) to remove accumulated moisture automatically. Can also be attached to filters having manual drain ports.

The Monnier Automatic Float-Actuated Drain is used to drain air line drain legs and air filters. It is a normally open, pilot operated valve, rated for 10 to 250 psi and 175°F. The valve is held closed by line pressure. The pilot valve is never submerged in water, and its discharge is operated by system air pressure, producing a strong on-off action. The float, which is extremely light, can't leak or hold fluid. All parts are corrosion proof.

Inspection and cleaning can be done without removing the drain from the air line, and the unit has a manual override to check proper functioning. Discharge is easily piped to remote locations.

When the compressed air system is shut down, the valve returns to its normally open condition and water will drain by gravity.

Model No.	Size (NPTF) Inlet	Outlet	Inlet Nipple (NPT)
20-401	1/4	1/8	1/4 x 1/4 & 1/4 x 1/8
20-404	1/2	1/8	N/A