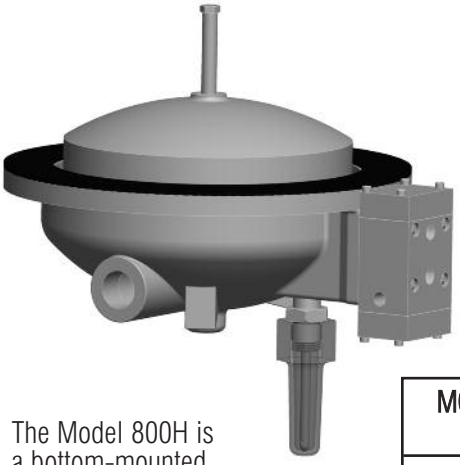
# MODEL 800H INTERFACE FLOAT PILOT-Bottom Mounted



## DESCRIPTION

- (Formerly MODEL P524)
- Bottom-mount flange (10" diameter)
- Low profile float
- Applicable where vertical clearance inside filter separator is limited
- Integral water drain valve optional
- Pilot float "rides" the interface between water and fuel
- Four-way control to actuate discharge slug valve and/or automatic water drain valve
- Uses time-proven 800 pilot block (see Model Sheet 800)
- Stainless Steel pilot and float assembly
- Manual tester standard
- Factory tested

The Model 800H is a bottom-mounted filter separator float that allows only the discharge of clean, water-free fuel from the filter separator. The three models are as follows:

| MODEL | PART NUMBER (without water drain) | FLANGE MATERIAL | PILOT/FLOAT ASSEMBLY |
|---|---|---|---|
| 800H-4MT | 230244 | Bronze | Stainless Steel |
| 800H-5MT | 230044 | Ductile Iron, Epoxy-Coated | Stainless Steel |
| 800H-8MT | 230544 | Aluminum | Stainless Steel |

## PILOT BLOCK PORT CONNECTIONS (All ports 1/8" NPT)

**POWER:** Filter separator vessel pressure
**ACCELERATOR VALVE:** Bonnet of accelerator pilot on discharge slug valve
**WATER DRAIN:** Bonnet of automatic water drain valve
**EXHAUST:** Atmospheric drain line

## OPERATION

The float of the 800H is counterweighted so that it will float in water, but sink in fuel. Depending on the water level in the filter separator, the 800H actuates the other control components in the system as follows:

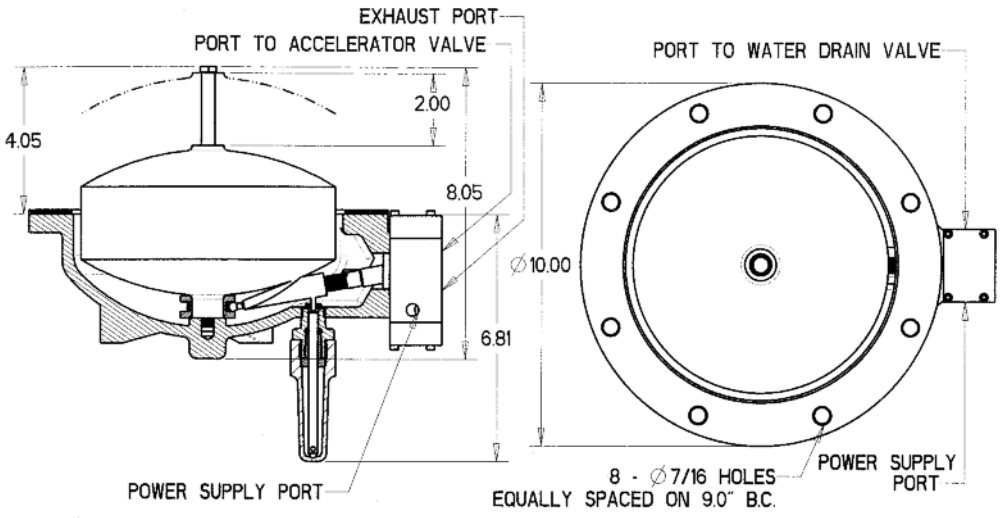
| FLOAT POSITION | DISCHARGE (SLUG) VALVE | WATER DRAIN VALVE (if equipped) |
|---|---|---|
| DOWN (No Water) | OPEN | CLOSED |
| MEDIAN (Rising Water) | OPEN | OPEN |
| UP (High Water) | CLOSED | OPEN |

Actuating the manual tester will raise the float to the median or up positions, confirming the proper operation of the pilot, slug valve, and/or the water drain valve.

**MAXIMUM PRESSURE:**
(at 100°F/37.78°C)
300 psi (20.7 bar)

**OPERATING TEMPERATURE:**
32°-120°F
(0°-49°C)

**MAXIMUM FUEL SPECIFIC GRAVITY:**
0.85





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Model 800H Interface Float Pilot-Bottom Mounted