

## DESCRIPTION

- Side-mount flange, 4" grooved connection
- Cylindrical float
- Designed for small, mobile separators
- 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 (no red metals)
- Manual tester optional
- Factory tested

The Model 800C side-mounted filter separator float allows only the discharge of clean, water-free fuel from the filter separator. The model information is listed as follows:

MODEL	PART NUMBER (without manual tester)	FLANGE MATERIAL	PILOT/FLOAT ASSEMBLY
800C-5	230727	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 800C is counterweighted so that it will float in water, but sink in fuel. Depending on the water level in the filter separator, the 800C 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 (optional) 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:

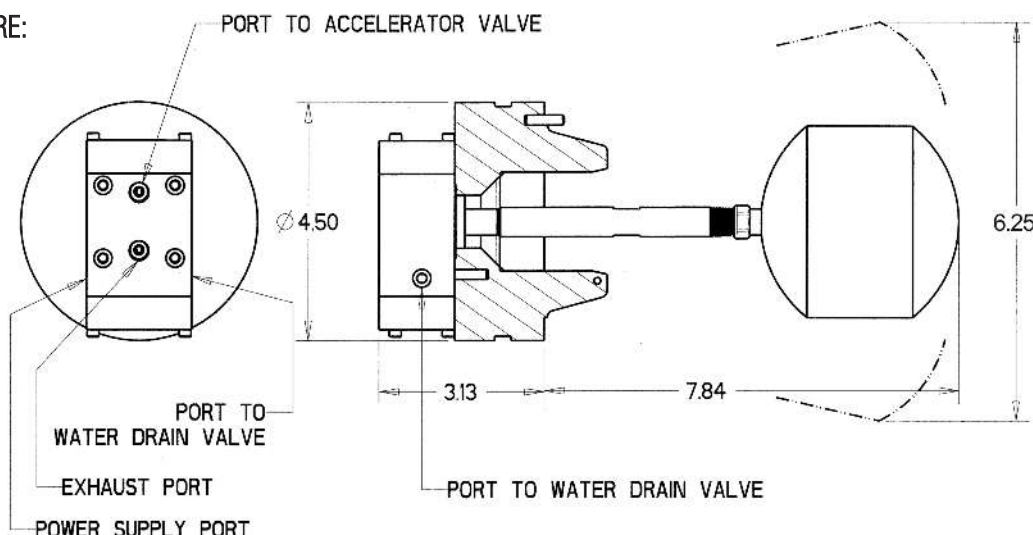
(at 100°F/37.78°C)  
300 psi (20.7 bar)

### OPERATING TEMPERATURE:

32°-120°F  
(0°-49°C)

### MAXIMUM FUEL SPECIFIC GRAVITY:

0.81



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