Mercoid®

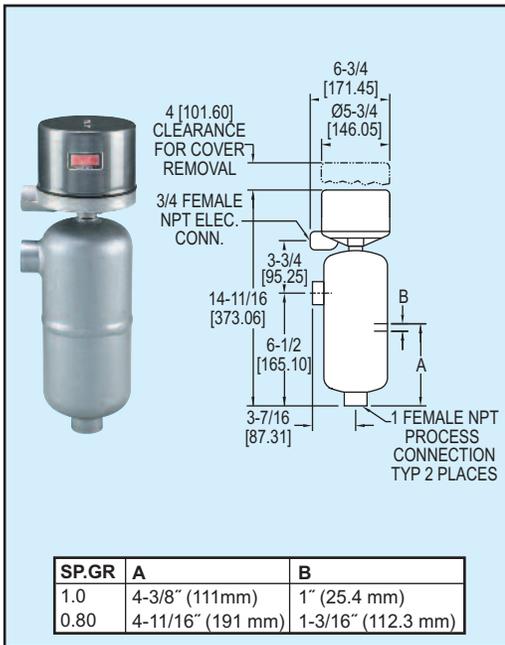**Series 391**

Side Mounted-Chamber Type Level Control
Compact, Low Cost, Hermetically Sealed Snap Switch Option

UL LISTED

6-3/4 [171.45]

4 [101.60] CLEARANCE FOR COVER REMOVAL

Ø5-3/4 [146.05]

3/4 FEMALE NPT ELEC. CONN.

3-3/4 [95.25]

14-11/16 [373.06]

B

6-1/2 [165.10]

A

3-7/16 [87.31]

1 FEMALE NPT PROCESS CONNECTION TYP 2 PLACES

SP.GR	A	B
1.0	4-3/8″ (111mm)	1″ (25.4 mm)
0.80	4-11/16″ (191 mm)	1-3/16″ (112.3 mm)

Heavy duty and low cost is the perfect description for the 391 Series level control. SS switching mechanism uses gravity return action instead of springs for long life. Weatherproof enclosure is standard. Welded steel chamber is good for 650 psig (45 bar) at 600°F (315°C).

APPLICATIONS
Oil refineries, chemical plants, power generating stations, pumping stations, heat transfer systems, sanitary/waste water facilities, drip legs, hydraulic systems, boilers.

SPECIFICATIONS
Service: Compatible liquids.
Wetted Materials: Body: Carbon steel; Float and trim: 303 SS, 304 SS, 316 SS, and 430 SS.
Temperature Limits: Ambient Temperature: 212°F (100°C); Process Temperature: up to 600°F (315.6°C)*
*Heat fins and/or high temperature switches must be used for process temperatures above 500°F (260°C) with mercury switches, 400°F (204°C) with snap switches, and 350°F (176.7°C) with hermetically sealed snap switches.
Pressure Limit: 800 psig (55 bar) at 100°F (37.7°C), 650 psig (45 bar) at 600°F (315.6°C). Higher ratings available.
Enclosure Rating: NEMA 4X. Optional general purpose or explosion-proof.
Switch Type: SPDT snap switch, hermetically sealed snap switch or mercury switch. Optional DPDT.
Electrical Rating: Snap switch: 12A @ 120 VAC, 5A @ 240 VAC, 0.5A @ 125 VDC resistive, 0.25A @ 250 VDC resistive; Hermetically sealed snap switch: 5A @ 125 VAC, 5A @ 240 VAC, 5A @ 30 VDC resistive; Mercury switch: 4A @ 120 VAC/DC, 2A @ 240 VAC/DC. Higher contact ratings available for the mercury switch.
Electrical Connections: Screw terminal.
Conduit Connection: 3/4″ female NPT.
Process Connections: 1″ female NPT. Optional 1″ socket weld hub or flange connections.
Mounting Orientation: Vertical.
Weight: 10 lb (4.5 kg).
Agency Approvals: UL (None on HM switch)
Specific Gravity: 0.8 min. Optional 0.7 min.

Model	Switch Type
391-WT-4810-C1-80	SPDT Mercury
391-WT-7810-C1-80	SPDT Snap
391-WT-7810HM-C1-80	SPDT Hermetically Sealed Snap