



Series 391

Welded Chamber

Single Stage, Low Cost, Pressure to 775 psi (53 bar), Hermetically Sealed Switches, Temperature to 600°F (315°C), Optional Explosion-Proof

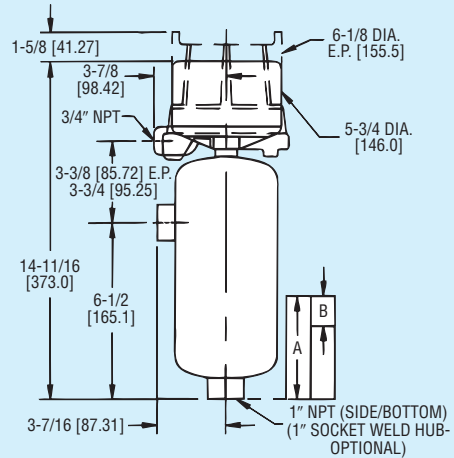


Series 393 has one vertical and one horizontal flanged connection (1" RF forged steel – ANSI specifications). Flange centerline 9-1/4" (235 mm). Other centerlines available.



Series 391 has one vertical and one horizontal 1" NPT pipe connection. 1" socket weld optional.

"A" is the level at which stage operates on level rise.
"B" is the operating differential drop in level to restore switch to original position.



Switch Level Change Single Stage-Not Adjustable

CODE	SP GR	A	B
C1-70	1.0	4" (101.6 mm)	1" (25.4 mm)
	0.70	4 11/16" (119 mm)	1 5/16" (33.34 mm)

Switch Level Change Single Stage-Not Adjustable

CODE	SP GR	A	B
C1-80	1.0	4 3/8" (111 mm)	1" (25.4 mm)
	0.80	4 11/16" (119 mm)	1 3/16" (112.3 mm)

Switch Level Change Single Stage-Not Adjustable

CODE	SP GR	A	B
C1-95	1.0	4 3/4" (120.7 mm)	7/8" (22 mm)
	0.95	5" (127 mm)	1" (25.4 mm)



Series 394 has one vertical and one horizontal flanged connection (1" RF forged steel – ANSI specifications). Flange centerline 10" (254 mm). Other centerlines available.

Level

Heavy duty, low cost. The perfect description for the 391 control. This series features three individual controls in high quality welded steel chambers to handle a large variety of liquids.

C1-70 type for 0.70 minimum specific gravity liquids to 500 psig (34 bar).

C1-80 type for 0.80 minimum specific gravity liquids to 650 psig (45 bar).

C1-95 type for 0.95 minimum specific gravity liquids to 775 psig (53 bar).

All at a maximum temperature of 600°F (315°C) and SPST, SPDT or DPDT circuits are available in hermetically sealed snap action or mercury switches to handle most electrical applications. A full compliment of enclosures are available including general purpose, weatherproof, explosion-proof, or explosion-proof-vapor proof construction.

APPLICATIONS

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

SPECIFICATIONS

C1-70: Minimum specific gravity 0.70. Process pressure 500 psig (34 bar) at 600°F (315°C).

C1-80: Minimum specific gravity 0.80. Process pressure 650 psig (45 bar) at 600°F (315°C).

C1-95: Minimum specific gravity 0.95. Process pressure 775 psig (53 bar) at 600°F (315°C).

Switch Type: Snap action or mercury. See charts A & B.

Electrical Rating: See charts A & B.

Wiring Connections: G, WT or E enclosure, terminal block. EV enclosure, 18" (460 mm) leads.

Process Connections: 1" NPT (1" socket weld hub or flanged optional). See Model Chart.

Enclosure: G, painted steel; WT, painted steel and neoprene; E, aluminum; EV, aluminum and neoprene.

Wetted Parts: C1 construction, carbon steel 303SS, 304SS, 316SS, and 430SS.

Weight: 391, 10 lb (4.5 kg); 393, 15 lb (6.8 kg); 394, 17 lb (7.7 kg).

Suggested Specifications:

Liquid level control shall be 391 (393)(394) Series with 1" NPT (flanged) process connections. Chamber shall be welded carbon steel suitable for operation at 500 psig (34 bar) C1-70, 650 psig (45 bar) C1-80, 775 psig (53 bar) C1-95, at 600°F (315°C). Circuit shall be (hermetically sealed) snap action (mercury) switch (SPST)(SPDT)(DPDT). Switch mechanism shall be gravity return activated by a stainless steel float. Enclosure shall be general purpose, (weatherproof)(explosion-proof)(explosion-proof-vapor proof).

