**Mercoid® Series 1221**

**Flanged Chamber**

External Mount, Pressure to 1000 psig (69 bar), Hermetically Sealed Switches, Temperature to 475°F (246°C), Minimum Specific Gravity 0.40

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**APPLICATIONS**

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

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**SPECIFICATIONS**

- **Minimum Specific Gravity:** 0.40. Process pressure 1000 psig (69 bar) at 100°F (38°C); 850 psig (59 bar) at 475°F (246°C).
- **Switch Type:** Snap action or mercury. See charts A and B.
- **Electrical Rating:** See charts A and B.
- **Wiring Connections:** G, WT or E enclosure, terminal block. EV enclosure, 18” (460 mm) leads.
- **Process Connections:** 1” NPT or flanges. See model chart. (19 socket weld hubs optional).
- **Enclosures:** G, painted steel and aluminum. WT, painted steel, aluminum, neoprene. E, aluminum. EV, aluminum, neoprene.
- **Wetted Parts:** C1 construction. Chamber, carbon steel. Trim 303SS, 304SS, 316SS and 430SS.
- **Weight:** 1221, 64 lb (29 kg); 1223, 74 lb (33.6 kg); 1224, 81 lb (36.7 kg).

**Suggested Specifications:**

Liquid level control shall be 1221 (1223) (1224) Series with flanged carbon steel chamber and removable float. Process connections shall be 1” NPT (socket weld hubs) (flanged). Control shall be suitable for operation at 1000 psi (69 bar) at 100°F (38°C), and 850 psig (59 bar) at 475°F (246°C) with a minimum specific gravity of 0.40 (C1-40). Circuit shall be (hermetically sealed) snap action (mercury) switch (SPST) (SPDT) (DPDT) with fixed deadband. Switch mechanism shall be gravity return and shall be activated by a stainless steel float. Enclosure shall be general purpose, (weatherproof) (explosion-proof) (explosion-proof – vapor proof).
CHART A & B - ELECTRICAL CIRCUITS AND RATINGS

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