Refrigerant Float Switch

Data Sheet

Type: LLSS

Purpose:

The LLSS Float Switch is designed for monitoring and managing refrigerant levels in flooded surge drums, flooded shell and tube chillers, high and low pressure receivers, intercoolers, transfer vessels and various types of accumulators. The unique design of the new and improved LLSS Float Switch allows it to withstand corrosive environments associated with many industrial refrigeration conditions.

Contact Information:

Parker Hannifin Corporation
Refrigerating Specialties Division
2445 South 25th. Avenue
Broadview, IL 60155-3891

phone (708) 681-6300
fax (708) 681-6306

www.parker.com/refspec

Product Features:

- Suitable for ammonia R-507, R-134a and other common refrigerants
- 304L stainless steel float chamber assembly
- UV resistant and transparent switch housing
- Magnetically actuated switch (single pole double throw)
- Hermetically sealed switch
- Complete assembly weighs 3.08 kg (6.8 lbs)
- Switch assemblies are compatible with Refrigerating Specialties liquid level models LL, LLS, and LLA
- Complies with Pressure Equipment Directive (PED) 97/23/EC

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Technical Data

- Liquid Temperature:
  -75°C to 65°C (-100°F to 150°F)

- Ambient Temperature:
  -45°C to 50°C (-50°F to 120°F)

- Maximum Rated Pressure (MRP):
  31 bar (450 psig)

- Specific Gravity Range:
  0.57 to 1.7

- Power Supply:
  - 120 VAC, 10 Amps
  - 240 VAC, 10 Amps
  - 125 VDC, ½ Amps

- Switch:
  Single pole double throw

- Connections:
  - Float Chamber Fittings
    ¾"-14 FPT or 1" BW
  - Leaded/DIN Switch
    ½" NPT

- Leaded Switch Lead Length:
  610 mm (24")

- Material:
  - Float Chamber Assembly
    304L S.S.
  - Switch Assembly
    Molded, UV Resistant Plastic
  - Switch Cover
    Aluminum

- Certifications:
  - Tank Assembly
    CE0035, PED
  - Leaded Switch Assembly
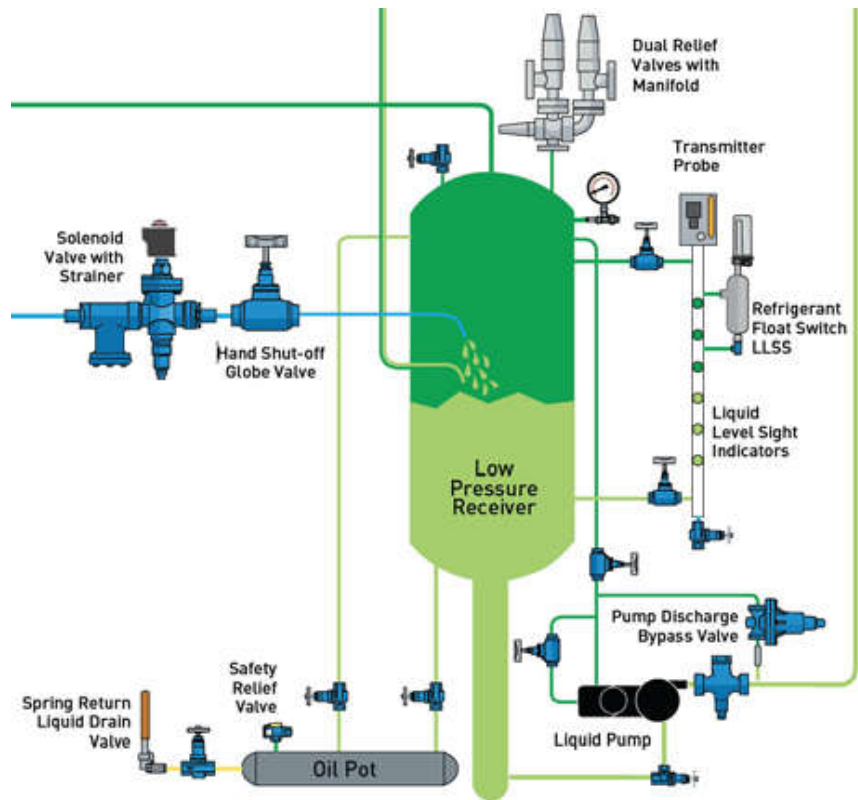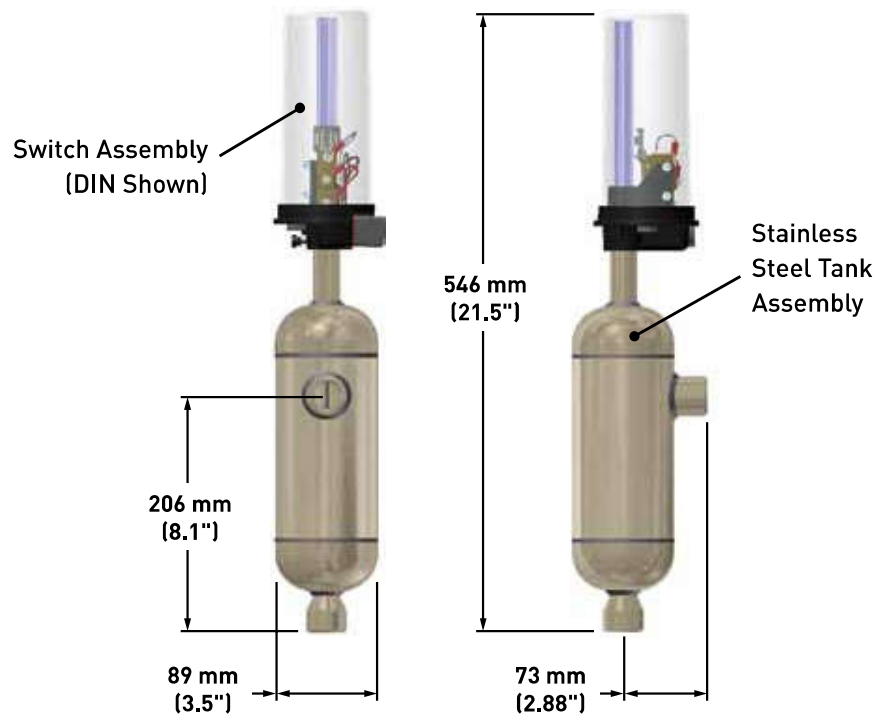   No Certificate
  - DIN Switch Assembly
    CE0035, IP65

Diagram: LLSS Float Switch

Dimensional Diagram: LLSS Float Switch