



Pressure Switch

INTRODUCTION

Hansen pressure switches provide an electrical indication that a rupture disc has burst and that a relief valve has discharged. The pressure-relief valve will reseal after discharging while the rupture disc remains open. The pressure switch will maintain the signal until a new rupture disc is installed and the pressure is reduced to zero.

Note: These switches, when installed in the 1/2" FPT side port, meet the ASME code requirement, as explained on below.

ASME RULES

In accordance with ASME code, a pressure gauge, pressure switch, or vent must be connected to the space between the rupture disc and the connected pressure-relief valve.

IMPORTANT

There are no user-serviceable parts in the pressure switch. If the switch indicates "burst," the rupture disc assembly and relief valve must be replaced as soon as possible. Pressure switches can be reused after verifying proper operation while a rupture disc assembly is a one-time-use item. The rupture disc assembly and pressure-relief valve must be isolated and pumped out to zero pressure before removing the pressure gauge or switch.

Rupture disc assemblies, pressure switches, and pressure gauges are not for liquid applications, nor are they applicable to differential relief valves to a lower pressure vessel.

Specifications, Applications, Service Instructions & Parts

Pressure Switch

**For Industrial Ammonia and
and Large Commercial or
Industrial Halocarbon
Refrigeration Systems**

SPECIFICATIONS

Connection side port: 1/8" NPT
NEMA 4X (IP65)
DIN Connector With 1/2" Conduit Connection
Diaphragm Material: Buna-N
Set Pressure: 10 psi, Rising
Switch: SPDT, 5A@120/240 V AC, 12/24V DC
Ambient temperature range: -20°F to +125°F (-29°C to +52°C)
Safe working pressure (body): 400 psig (27 bar)
Approvals: UL and CSA Recognized

CAUTION

Only knowledgeable, trained refrigeration technicians should install, operate, or service these pressure switches. Components should not be removed from the system or the system opened unless the system has been evacuated to zero pressure.

WARRANTY

Pressure switches are guaranteed for one year F.O.B. our plant. No consequential damages or field labor is included.

ORDERING INFORMATION

To Order: Catalog number (HPS).

Note: A pressure gauge or switch is required by code on rupture disc assemblies.

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