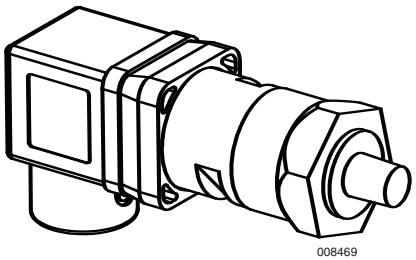
Low Pressure Switch

The low pressure switch is used to indicate a pressure drop within the SAPPHIRE tank. The switch is mounted in the 1/8 in. switch port of the tank valve. The switch continuously monitors the tank pressure and in the event of the pressure dropping below 290 psi (20 bar), the switch operates, enabling the condition to be signaled at the control panel.

The low pressure switch is optional and must be ordered separately when ordering the SAPPHIRE tank. The switch ordered will consist of one of the two options below.



Shipping Assembly Part No.	Description
570585	Low Pressure Switch

Option #1	Materials	Pressure Settings	Electrical Characteristics	Wiring
GEMS	Base: Zinc-plated Steel Diaphragm: Kapton O-ring: Nitrile	Transfers at: 294 psi +/– 10 psi Falling (20.3 bar +/– 0.7 bar) Resets by 350 psi Rising (24 bar) Maximum Operating Pressure: 1000 psi (68.9 bar)	Maximum Current: 5 A Nominal Voltage: 24 VDC	Normally-Open: PIN 3 Common: PIN 1 Normally-Closed: PIN 2

Option #2	Materials	Pressure Settings	Electrical Characteristics	Wiring
NASON	Base: C360 Brass Body: Blue Anodized Aluminum Diaphragm: Buna-N	Transfers at: 290 psi +/– 15 psi Falling (20 bar +/– 1.0 bar) Resets at: 330 psi +/– 10 psi Rising (22.8 bar +/– 0.7 bar) Maximum Operating Pressure: 2000 psi (137.9 bar)	Maximum Current: 5 A Nominal Voltage: 24 VDC	Normally-Open: PIN 3 Common: PIN 1 Normally-Closed: PIN 2

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