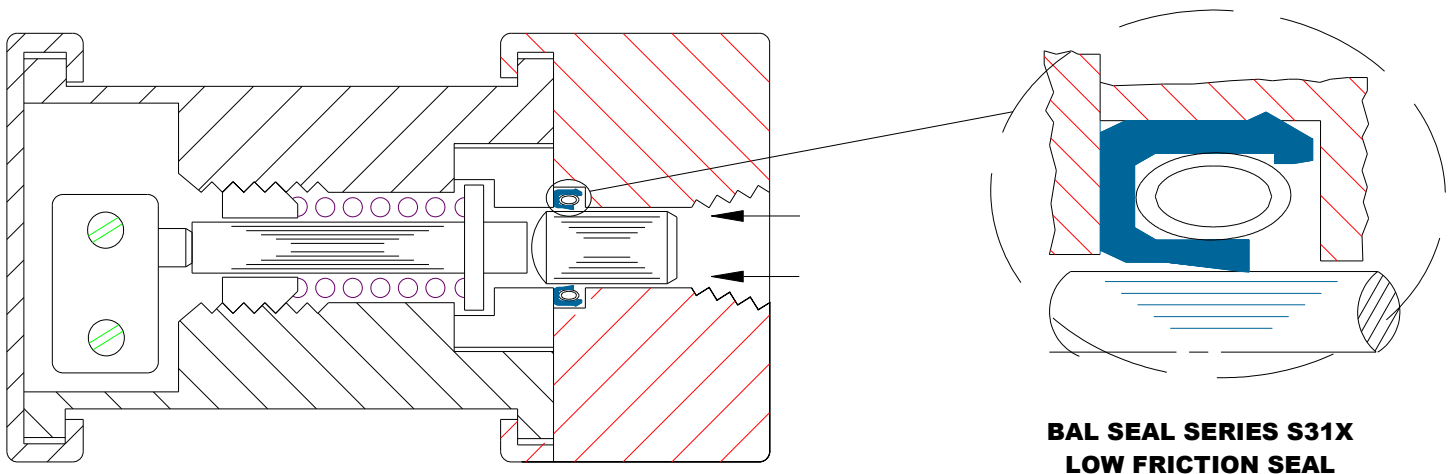


BAL SEAL® SEALS IN PRESSURE SWITCHES

Pressure switches detect an increase in pressure in a fluid circuit and produce a switching signal. They are used throughout industry in a variety of flow-control devices.

A pressure switch is typically tied into the cylinder line. The pressure-sensing element moves as the pressure increases or decreases. When the system pressure has built up to the adjustment setting of the switch, an electrical signal is sent to a flow-control device to divert the flow.



Operating Parameters

Pressure:	Vacuum to 3,000 psi (210 kg/cm ²)
Temperature:	-70°F to 300°F (-57°C to 149°C)
Media:	Various liquids, gases and steam
Friction:	Very low
Features:	Consistent frictional force

Seal Selection:

Series S31X low-friction Bal Seal® seals provide reliable sealing up to 3,000 psi (210 kg/cm²) at 70°F (21°C). The seal is designed to create a single point-of-contact with the dynamic surface to produce low friction, an important requirement in this application.

The sealing jacket is available in a variety of PTFE compounds, depending on the medium, pressure, temperature, and other factors.

For more information and technical assistance, consult the Bal Seal Technical Sales Department.

PATENTS: The items described in this page include products that are the subject of issued United States and foreign patents or products where patents are pending, including the following: Patents 6,641,141 B2; 7,210,398 B2; 6,161,838; 5,992,856; 5,134,244

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