

From 2 to 7500 PSI, GEMS Pressure Switches Cover A Wide-Range of Applications

- ▶ Field-Adjustable or Factory Set Switches
- ▶ High Proof Pressure
- ▶ Rugged and Dependable

GEMS offers a choice of pressure switches, from compact cylindrical models for OEM use, to larger, enclosed units for rugged process applications. These switches are ideal for the filtering process of coolants in the machine tool industry, use in transmissions of off-highway vehicles and as redundant systems with existing monitors such as transducers.



Unique Piston/Diaphragm Design

A piston/diaphragm design, incorporating the high proof pressure of piston technology allows these switches to operate with the sensitivity and accuracy of a diaphragm design. Repeatability ranges from 0.2 percent to 2 percent of the highest set point.

Many Materials To Choose From

Enclosures include aluminum, stainless steel, baked on enamel coating, reinforced plastic and zinc-plated steel. All are NEMA 4 or NEMA 4X certified. Wetted parts include a diaphragm available in buna-n, stainless steel, PTFE, EPDM or Viton® and a pressure port available in stainless steel, brass, zinc or aluminum.

Selection Guide

Pressure Range	Description	Proof Pressure	Switch	Rep.	Series	Page
5 to 3000 psig 0.3 to 210 bar	OEM Subminiature Pressure Switches	9000 psi 600 bar	SPST 100 VA, 42VDC max	3%	PS-J	M-2
0.2 to 150 psig 0.1 to 10 bar	OEM Subminiature Low Pressure Switch	500 psi 35 bar	SPST 100 VA, 42VDC max	5%	PS-JL	M-2
30" Hg to Atm -1 bar to Atm	Economical Cylindrical Vacuum Switch	350 psi 25 bar	5 Amp SPDT or SPST	2%	PS-EV	M-3
3 to 100 psig 0.2 to 7 bar	Economical Cylindrical Pressure Switches	350 psi 25 bar	5 Amp SPDT or SPST	2%	PS-E	M-3
10 to 3000 psi 0.7 to 210 bar	Economical High Pressure Cylindrical Switches	9000 psi 600 bar	5 Amp SPDT or SPST	2%	PS-EH	M-3
10 to 45 psid 0.7 to 1.7 bar	General Purpose Metal Body Differential Switches	9000 psi 600 bar	5 Amp SPDT or SPST	2%	PS-D	M-4
5 to 6000 psi 0.3 to 420 bar	Rugged Metal Body Cylindrical High Pressure Switches	9000 psi 600 bar	5 Amp SPDT, SPST, or DPDT	2%	PS-F	M-5
5 to 6000 psi 0.3 to 420 bar	Economical Industrial Process Pressure Switches	9000 psi 600 bar	20 Amp SPDT, SPST, or DPDT	2%	PS-K	M-6