

HIGH PURITY, ALL STAINLESS STEEL PRESSURE AND VACUUM SWITCHES

Vacuum to 500 psi

PSW-690 Series



- ✓ All Stainless Steel Wetted Parts
- ✓ Sensing Element Capsule, Electron Beam Welded
- ✓ Helium Leak Tested 4 x 10⁻⁹ STD CC/sec
- ✓ External Pressure Scale and Pointer For Easy Set Point Adjustment
- ✓ Available with ¼ VCR Male or ½-27 NPT Male Fittings
- ✓ NEMA 4 Enclosure
- ✓ Available with 1 or 5 A Switch

SPECIFICATIONS

Process Temp: -54 to 107°C (-65 to 225°F); setpoint change of up to 2% of sensor capacity may be anticipated when switch is used either below -23°C or above 51°C

Cycling: Not to exceed 20 cycles/min, 1 million cycles

Proof Pressure: 150% max pressure

Wetted Parts: 17-7 pH electron beam welded, 303 SS fitting

Enclosure: 303 Stainless Steel body, zinc alloy with chromate finish locking ring and switch housing, valox cap

Dimensions: 51 L x 29 mm Dia (2 x 1.125") with NPT fitting; 60 L x 29 mm Dia (2.375 x 1.125") with VCR fitting

Weight: Approx. 85g (3 oz)

Pressure Port: ½-27 MNPT or ¼ VCR

Electrical: 300 mm (12") pigtail leads, 20 AWG, polyvinyl insulated

PSW-696-V5,
shown actual size.



Wiring Code:

Pressure Switch: Black = Common, Red = N/C, White = N/O

Vacuum Switch: Black = Common, Red = N/O, White = N/C

PRESSURE SWITCHES
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To Order

MODEL NO.	ADJUSTABLE RANGE		SETPOINT REPEATABILITY	MAX PRESSURE
	DECREASING	INCREASING		
GAGE PRESSURE SWITCHES ¼ NPT FITTING (psig)				
PSW-691-N[*]	0.8 to 28.5	1.6 to 30.0	±0.6	30
PSW-692-N[*]	2.0 to 48.0	3.0 to 50.0	±1.0	50
PSW-693-N[*]	3.0 to 96.5	4.5 to 100.0	±2.0	100
PSW-694-N[*]	7.5 to 242.5	9.7 to 250	±5.0	250
PSW-695-N[*]	15.0 to 485.0	20.0 to 500.0	±10.0	500
GAGE PRESSURE SWITCHES ¼ VCR FITTING (psig)				
PSW-691-V[*]	0.8 to 28.5	1.6 to 30.0	±0.6	30
PSW-692-V[*]	2.0 to 48.0	3.0 to 50.0	±1.0	50
PSW-693-V[*]	3.0 to 96.5	4.5 to 100.0	±2.0	100
PSW-694-V[*]	7.5 to 242.5	9.7 to 250	±5.0	250
PSW-695-V[*]	15.0 to 485.0	20.0 to 500.0	±10.0	500
VACUUM SWITCHES ¼ NPT FITTING (inHg)				
PSW-696-N[*]	1.6 to 27.0	2.7 to 28.2	±1.2	29.9
VACUUM SWITCHES ¼ VCR FITTING (inHg)				
PSW-696-V[*]	1.6 to 27.0	2.7 to 28.2	±1.2	29.9

Comes complete with operator's manual.

[*] Specify "-1" for 1 A or "-5" for 5 A switch.

Ordering Examples: PSW-692-N1, switch for maximum system pressure of 30 psig with ¼ NPT fitting and 1A switch.

PSW-696-N5, switch with ¼ NPT fitting and 5A switch.