

P325 High Pressure Switch with Overpressure Protection

Technical Specifications

No.	Name	Requirements
1	Activation Point Range	400 - 6,000 PSI
2	Activation Point Tolerance	See Table XIV
3	Burst Pressure	6,000 PSI
4	Temperature Range	-65° F to + 225° F
5	Leak Rate	≤1.0 x 10 ⁻³ cc/min Air
6	Weight	4.5 oz (typical with 12 inch "W3" electrical interface)

Electrical Rating

Max. Amp Rating	Volts AC/DC	Amp Resistive	Amp Inductive	Contact Material
1	115/28	1/1	1/0.5	Gold
5	250/28	5/5	5/3	Silver
7	250/28	7/7	7/4	Silver

Material Specifications P325

Wetted		Non Wetted	
Fitting	300 Series Stainless Steel	Actuator/Springs	Steel
O-Ring	Buna N, other compounds available	Body	300 Series Stainless Steel
Piston	17-4 Stainless Steel	Electrical Interface	Steel (zinc chromate finish)
		Locking Compound	Loctite 277
		Lock Ring	Steel (zinc chromate finish)



Overpressure

Pressure Switch Adjustment (if field adjustable)

This model may be adjusted by loosening the Lock Ring and turning the electric switch housing counter clockwise to raise the activation point, clockwise to lower the activation point. Holding the electric switch housing in position, tighten the Lock Ring and check the activation point. Repeat preceding adjustment instructions if necessary.

Operating Pressure Range and Standard Tolerances

Table XIV - Positive Pressure Activation Points P325 Series

Sensor	Max Operating Pressure (PSI)	Activation Point Range (PSI)	Activation Point Tolerance (±) (PSI)	Reset Band (PSI)
1	3,000	400 - 3,000	± 4%	40 - 150
2	6,000	900 - 6,000	± 4%	50 - 350

Custom specifications available

P400 High Pressure Switch with Overpressure Protection

Technical Specifications

No.	Name	Requirements
1	Activation Point Range	100 - 6,000 PSI
2	Activation Point Tolerance	See Table XV
3	Burst Pressure	12,000 PSI
4	Temperature Range	-65° F to + 225° F
5	Leak Rate	≤1.0 x 10 ⁻³ cc/min Air
6	Weight	6.5 oz (typical with 12 inch "W3" electrical interface)

Electrical Rating

Max. Amp Rating	Volts AC/DC	Amp Resistive	Amp Inductive	Contact Material
1	115/28	1/1	1/0.5	Gold
5	250/28	5/5	5/3	Silver
7	250/28	7/7	7/4	Silver

Material Specifications P400

Wetted		Non Wetted	
Diaphragm	Kapton® or Stainless Steel	Actuator/Springs	Steel
Fitting	300 Series Stainless Steel	Body	300 Series Stainless Steel
O-Ring	Buna N, other compounds available	Electrical Interface	Steel (zinc chromate finish)
		Locking Compound	Loctite 277
		Piston	17-4 Stainless Steel



Overpressure

Pressure Switch Adjustment (if field adjustable)

A change in the activation may be made by turning the adjusting ring located in the opening in the side of the body. Causing the ring to turn left will raise the activation point, and turning it right will lower it. For the best results after resetting the switch, cycle the system pressure level several times to stabilize the new activation point. Repeat preceding adjustment instructions if necessary.

Operating Pressure Range and Standard Tolerances

Table XV - Positive Pressure Activation Points P400 Series

Sensor	Max Operating Pressure (PSI)	Activation Point Range (PSI)	Activation Point Tolerance (±) (PSI)	Reset Band (PSI)
0	?	?	?	?
1	6,000	100 - 500	± 3%	15 - 60
2	6,000	400 - 2,500	± 3%	20 - 200
3	6,000	1,500 - 6,000	± 3%	100 - 600

Custom specifications available