

## P500 Value Pressure Switch

### Technical Specifications

No.	Name	Requirements
1	Activation Point Range	2 - 500 PSI
2	Activation Point Tolerance	See Table II
3	Temperature Range	-65° F to + 225° F
4	Leak Rate	≤1.0 x 10 <sup>-3</sup> cc/min Air
5	Weight	2.5 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 P500

Wetted		Non Wetted	
Body/Fitting	Brass	Electrical Interface	Steel (zinc chromate finish)
Locking Compound	Loctite 277	Lock Ring	Steel (zinc chromate finish)
O-Ring	Buna N, other compounds available		
Sensor	17-7PH Stainless Steel and 300 Stainless Steel		



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## V500 Value Vacuum Switch

### Technical Specifications

No.	Name	Requirements
1	Activation Point Range	2.0 - 29.5 inHg
2	Activation Point Tolerance	See Table III
3	Temperature Range	-65° F to + 225° F
4	Leak Rate	≤1.0 x 10 <sup>-3</sup> cc/min Air
5	Weight	2.5 oz (typical with 12 inch "W3" electrical interface)

### Electrical Rating

Max. Amp Rating	Volts AC/DC	Amp Resistive	Amp Inductive	Contact Material
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O-Ring	Buna N, other compounds available		
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#### 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.

#### Vacuum Switch Adjustment (if field adjustable)

This model may be adjusted by loosening the Lock Ring and turning the electric switch housing clockwise to raise the activation point, counter 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.

**Note: V500 Series sensor will be damaged if positive pressure is applied**

## Operating Pressure Range and Standard Tolerances

Table II - Positive Pressure Activation Points P500 Series

Sensor	Max Operating Pressure (PSI)	Activation Point Range (PSI)	Activation Point Tolerance (±) (PSI)	Reset Band (PSI)
3	30	2 - 30	± 1.0	1.0 - 2.0
5	125	5 - 125	± 3.0	2.0 - 3.0
8	250	10 - 250	± 7.0	3.0 - 8.0
15	500	22 - 500	± 10.0	8.0 - 18.0

Custom specifications available

## Operating Vacuum Range and Standard Tolerances

Table III - Vacuum Activation Points V500 Series

Sensor	Max Operating Pressure (inHg)	Activation Point Range (inHg)	Activation Point Tolerance (±) (inHg)	Reset Band (inHg)
3	30.0	2.0 - 29.5	± 2.0	1.0 - 4.6
5	30.0	10.0 - 29.5	± 4.0	1.4 - 7.6

Custom specifications available