

P-SERIES Pressure Switches

How to Select and Order

ASCO P-Series switches consist of two components, the switch unit and the transducer unit.

How to Select

1. Select the adjustable operating range based on desired actuation pressure.
2. Check that rated proof pressure is sufficient.
3. Read across and select the desired P-Series switch unit with the proper enclosure.
4. Continue across and select a matching transducer unit compatible with the fluid.

How to Order

Factory assembled – Simply order the switch and transducer unit by catalog number joined by a slash (/), e.g., PG36A/RV34A11.

Field assembled – Simply order the switch and transducer units separately by individual catalog number, e.g., one PG36A and one RV34A11.

Options – Add appropriate suffix for desired option (see pages 34-35).

Important Note: The third digit of each of the catalog numbers must be identical, e.g., PG 36A and RV 34A11.

Select P-Series switch unit and transducer unit below

PG Switch Unit

Limited Adjustable Deadband units have an adjustable set point and use a special snap-action switch that varies the deadband within the limits listed below.



Open Frame

Transducer Unit

These gauge pressure type transducers are diaphragm/piston type transducers using an elastomer in contact with the fluid, backed by a piston cylinder. This allows high sensitivity for low pressures and strength for high pressures.



Standard port connection is 1/4" NPT (optional 1/2" NPT add suffix "B" to catalog number)

Specifications		Limited Adjustable Deadband				Transducer Units				
Adjustable Operating Range (psig)	Proof Pressure (psig)	Adjustable Deadband At Mid-Range (psig) ① From/To	Open Frame Catalog No.	General Purpose Catalog No.	Watertight Enclosure Catalog No.	Air or Gas ②	Air, Oil or Gas	Water, Air, Oil or Gas	Corrosive Fluids	
						Nylon & Buna "N"	Aluminum & Buna "N"	Brass & Buna "N"	All 316 SS ③	316 SS & Viton ④
						Catalog No.	Catalog No.	Catalog No.	Catalog No.	Catalog No.
Vacuum 0 - 30" Hg	50	1.8 - 5.0	PG36A	PG30A	PG31B	---	RV34A11	RV34A21	---	RV34A32
Compound 30"Hg-14 psig Pressure	50	2.8 - 6.0	PG26A	PG20A	PG21B	---	RV24A11	RV24A21	---	RV24A32
0 - 9	60	0.7 - 1.3	PG36A	PG30A	PG31B	RD30A71	RD30A11	RD30A21	---	RD30A42
2 - 18	60	0.8 - 2.1	PG26A	PG20A	PG21B	RD20A71	RD20A11	RD20A21	---	RD20A42
2 - 18	100	1.8 - 3.1	PG36A	PG30A	PG31B	---	---	---	RE30A44	---
4 - 36	150	2.0 - 4.0	PG26A	PG20A	PG21B	RE20A71	RE20A11	RE20A21	RE20A44	RE20A42
6 - 60	150	2.1 - 4.6	PG16A	PG10A	PG11B	RE10A71	RE10A11	RE10A21	RE10A44	RE10A42
10 - 100	200	4 - 8	PG16A	PG10A	PG11B	RF10A71	RF10A11	RF10A21	RF10A44	RF10A42
20 - 200	400	8 - 17	PG16A	PG10A	PG11B	RG10A71	RG10A11	RG10A21	RG10A44	RG10A42
30 - 300	450	15 - 25	PG16A	PG10A	PG11B	---	RH10A11	RH10A21	RH10A44	RH10A42
40 - 400	500	22 - 45	PG16A	PG10A	PG11B	---	RJ10A11	RJ10A21	RJ10A44	RJ10A42
60 - 600	2000	35 - 75	PG26A	PG20A	PG21B	---	---	RL20A21	---	RL20A42
100 - 1000	2000	65 - 110	PG16A	PG10A	PG11B	---	---	RL10A21	---	RL10A42
160 - 1650	5000	190 - 290	PG26A	PG20A	PG21B	---	---	RN20B21	---	RN10B42
270 - 2700	5000	200 - 300	PG16A	PG10A	PG11B	---	---	RN10B21	---	RN10B42
600 - 6000	9000	300 - 500	PG16A	PG10A	PG11B	---	---	---	---	RQ10B42

All switch units and transducer units above are in stock for immediate delivery.

① Values shown are nominal. ② Rated proof pressure on RF10A71 is 150 psig and on RG10A71 is 300 psig.

③ 316 SS transducer deadbands are approx. 50% greater than listed. ④ Transducers ending in 32 have 303 SS process connections, not 316 SS.