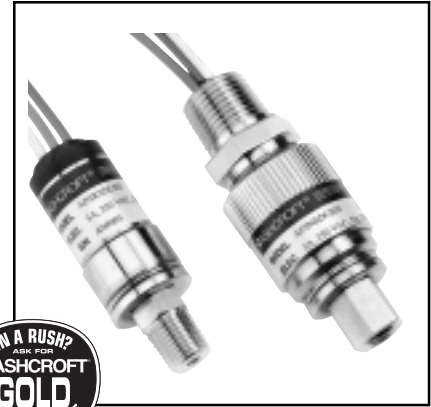


Miniature Pressure Switches, Watertight or Explosion-Proof Stainless Steel Body, Type A-Series

- All-welded stainless steel actuator for long, reliable service
- High pressure piston with Viton O-ring optional
- Wide variety of pressure connections, including NPT, straight threads, VCR, VCO, etc.
- Rugged stainless steel body epoxy-sealed for environmental protection
- Precision snap-acting switch element
- Choice of field adjustable or factory-adjusted to setpoint requirements
- UL and CSA listed
- Choice of electrical termination

The Ashcroft® A Series pressure switches are designed for tough industrial and OEM applications requiring a durable, high-quality miniature switch; especially where corrosion resistance or leakage is a concern.

Ideal for pressure alarm, shutdown, or control on heavy vehicles, machine tools, electronic equipment, engines, compressors, food and beverage processing equipment, and wherever size is a consideration or equipment is being downsized. Explosion-proof models are available.



1 - FUNCTION

APS - Pressure switch, stainless steel body, single setpoint, fixed deadband, factory set
APA - Pressure switch, brass body, single setpoint, fixed deadband, field adjustable

2 - ENCLOSURE (BODY)

NS - Watertight stainless steel body with glass to metal switch seal
RS - Watertight stainless steel body with polycarbonate switch seal
N7 - Explosion proof body with glass to metal switch seal
R7 - Explosion proof body with polycarbonate switch seal (APS only)

3A - SWITCH ELEMENT CODE

Code	SPDT Switch Elements UL/CSA Listed	
	D	General Purpose
M	Gold Contacts	1A, 125 Vac
Code	DPDT (2-SPDT) Switch Elements UL/CSA Listed	
	DD	Dual General Purpose
MM	Dual Gold Contacts	1A, 125 Vac

Note: Dual switch elements only available with wire leads (L) and RB enclosure.

3B - ELECTRICAL CONNECTION CODE

Code	Electrical Terminations
L	Wire leads, 3-#18 AWG Insulated – 12"
S	Screw terminals, 3-#6 binding head screws
T	Spade terminal, 3-.187 male spade
C	½ NPT male conduit connection with wire leads
H	Micro DIN connector

4 - ACTUATOR SEAL

Code	Material	Process Temperature Limits (°F)
S	316 Stainless Steel Welded	0-200
H	Stainless Steel Piston/ Viton O-Ring	20-200

5 - PRESSURE PORT

Code	Description
00	Flush Diaphragm, 316 SS Male
01	¼ NPT Male
02	¼ NPT Male
03	½ NPT Female
04	¼ NPT Female
05	7/16 -20 SAE
06	VCR
07	VCO
08	¾ NPT Male Flush
09	¾ Tri-Clamp Connection

6 - F-SERIES OPTIONS

Code	Description
XFS	Factory adjusted setpoints
XNH	Tagging stainless steel
X6B	Cleaned for oxygen service
X3A	1½" or 2" Tri-Clover connection with 3A approval

7A - AP NOMINAL RANGE & PERFORMANCE TABLE – CODE S ACTUATOR SEAL

Nominal Range		Proof Pressure psi	Setpoint Repeatability APS (Factory Set) psi	Setpoint Adjustability Range psi	Deadband (All Switch Elements)
psi	bar				
30IMV	-1	2000	±1.0"Hg/±0.5	-30 to -4"Hg	1-5"Hg/5-3
30	2	2000	±0.5	3-30	0.5-3.0
60	4	2000	±1.0	6-60	1.0-4.0
100	7	2000	±2.0	10-100	2.0-10
200	14	2000	±5.0	20-200	10-15
400	28	2000	±10	40-400	15-30
600	40	3000	±15	60-600	30-60

7B - AP NOMINAL RANGE & PERFORMANCE TABLE – CODE H ACTUATOR SEAL

Nominal Range		Proof Pressure psi	Setpoint Repeatability APS (Factory Set) psi	Setpoint Adjustability Range psi	Deadband (All Switch Elements)
psi	bar				
1000	70	8000	±20	100-1000	50-100
2000*	140	8000	±25	200-2000	100-100

*APS only

TO ORDER THIS A-SERIES PRESSURE SWITCH:

Select: **APS NS DL SO2 XFS 30 psi** Set at: _____
 (Add your setpoint requirements.)

1. Function: _____

2. Body: _____

3. Electrical: _____

3. Pressure Port: _____

5. Options (page 163-164): _____

6. Pressure Range (see Table 6): _____