

# VACUUM SWITCH EXPLOSION PROOF TYPE

## PS1000X

**Explosion Proof Type**

**Protection: IP68**

**Proof Pressure to 1000 psi**

**Adjustable Range: -25 ~ -760 mmHg**

**Temperature: -5°C ~ +150°C**

The New-Flow PS1000X, an explosion proof vacuum switch, is designed to be used in control systems. PS1000X has high set point repeatability and narrow dead band features. Easily adjusted to the set point, no special tools needed!

### Technical data

**Switch Data:** one SPDT & two SPDT Microswitch, 15amps 125/250VAC, DC 125V 0.4A, DC 30V 3A, / Gold Contact Microswitch 1A 125/250VAC, / Hermetically Sealed Switch 5A/250VAC

**Housing:** die cast aluminum alloy with paint, and SS316 available

**Conduit Connection:** Female 3/4", 1/2"NPT, M20 x P1.5 available

**Pressure Element:** Diaphragm

**Process Material:** Wetted parts- SS316; O-ring- Viton

**Process Connection:** Female 1/2" or 1/4" NPT, BSP, PT, M20 x P1.5 thread available

**Repeatability:** ±1% of full scale

### Range Table

Code	Adjustable Range	Dead Band	Maximum Pressure Proof
1R	-25 ~ -760 mmHg	10~20 mmHg	1000 psi

### Ordering Information

PS1000X	Code	Range
	1R	-25 ~ -760 mmHg
		Code    Wetted Parts Material
		A    SS316
		Code    Process Connection- Female
		(1) 1/2"NPT (2) 1/4"NPT (3) 1/2"BSP (4) 1/4"BSP (5) 1/2"PT (6) 1/4"PT (7) M20 x P1.5
		Code    Conduit Connection
		(E) 3/4"NPT Female, standard (F) 1/2"NPT Female (G) M20 x P1.5 Female
		Code    Switch Form
	1	Micro Switch, 1 SPDT
	2	Micro Switch, 2 SPDT (one setting point)
	3a	Gold Contact, 1 SPDT
	3b	Gold Contact, 2 SPDT (one setting point)
	4a	Hermetically Switch, 1 SPDT
	4b	Hermetically Switch, 2 SPDT (one setting point)
		Code    Explosion Proof Type / Housing Material
	A	Certificate on Housing Only (FM Approval) / Aluminum alloy: Class I, Groups A, B, C & D; Class II, Groups E, F & G; Class III; NEMA 4X
	B / B1	Taiwan Explosion Proof Certification / (B) Aluminum alloy (B1) SS316: Ex d IIB + H2 T6 Gb
	E	International IECEx Certification / Aluminum alloy: Ex db IIB + H2 T6 Gb; Ex tb IIIC T85°C Db
	X	Europe Union ATEX Certification / Aluminum alloy: II 2 G D Ex db IIB + H2 T6 Gb; II 2 G D Ex tb IIIC T85°C Db
	J	Japan Explosion Proof Certification / Aluminum alloy: Ex d IIB + H2 T6 Gb; Ex t IIIC T85°C Db
	R	Russia EACEx Certification / Aluminum alloy: 1Ex d IIB + H2 T6 Gb X; Ex tb IIIC T85°C Db
	U	UL Certification / Aluminum alloy: Class I, Groups A, B, C & D; Class II, Groups E, F & G

### Approvals:

Switches with UL & CSA Recognized and File No. E12252.



### Patent No.

M295332  
M334932  
China: 920135

### Dimensions

