

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
			U	UL Certification / Aluminum alloy: Class I, Division 1, Groups A, B, C & D; Class II, Division 1, Groups E, F & G
			G	China Explosion Proof Certification / Aluminum alloy: Ex d IIB + H2 T6 Gb; Ex tD A21 IP6X T85°C
PS1000X				

Approvals:

ABS
TYPE APPROVED PRODUCT

TS
TD0400TJ
工電(2012)第00320號
(ITRI)2017第07-00075號

IEC **IECEX** **Ex** **II2GD** **CE** **2503**

UL **US**
LISTED

Ex **NEPSI**
GYB19.1794X

Patent No.
M295332
M334932
China: 920135

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



Dimensions

