

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	Wetted Parts Material		Process Connection- Female		Conduit Connection		Switch Form		Explosion Proof Type / Housing Material	
	1R	-25 ~ -760 mmHg	A	SS316	(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	(E) 3/4"NPT Female, standard (F) 1/2"NPT Female (G) M20 x P1.5 Female	1	Micro Switch, 1 SPDT	2	Micro Switch, 2 SPDT (one setting point)	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
							3a	Gold Contact, 1 SPDT	3b	Gold Contact, 2 SPDT (one setting point)	B / B1	Taiwan Explosion Proof Certification / (B) Aluminum alloy (B1) SS316: Ex d IIB + H2 T6 Gb
							4a	Hermetically Switch, 1 SPDT	4b	Hermetically Switch, 2 SPDT (one setting point)	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

Approvals:

ABS TYPE APPROVED PRODUCT

ETL

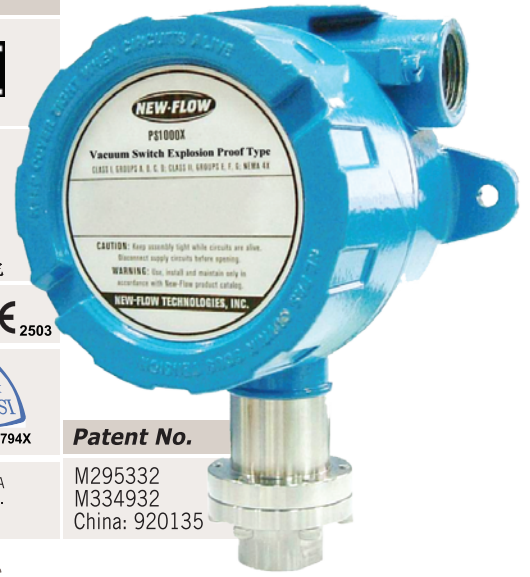
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IEC IECEx Ex II2GD CE 2503

UL LISTED US

Ex NEPSI GYB19.1794X

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



Patent No.

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M334932
China: 920135

Dimensions

