

WM120WA Flush Diaphragm Compact Pressure Transmitter



WM120WA flush diaphragm compact pressure transmitter adopts flush diaphragm to directly receive pressure signal, takes diffused silicon pressure sensor as sensitive element and uses standard silicone or olive oil as pressure transfer medium. With compact structure, corrosion resistance, vibration resistance and wide range temperature compensation, stainless steel 316L and specially welded flush isolation diaphragm are used for measurement end. It prevents fouling due to its exposed diaphragm, which is especially applicable to measure viscous fluid pressure with sanitary requirements of health care and food industry, solving problems of fouling, block, cleaning and sanitation. It is also widely applicable to sanitary industries and occasions with fouling forming medium.

FEATURES

316L or other optional flush diaphragm structure adopted for pressure connection.

Sanitary, anti-fouling, good seal, long-term stable work.

Wide pressure range, can measure absolute pressure, gauge pressure and sealed reference pressure.

With cooling bellow, excellent performance for high temperature medium application.

Optional output signal, can be customized.

APPLICATIONS

Occasion with easy block, high sanitary requirement and convenient cleaning such as medicine and health care, food, liquor-making, dairy and drinks. Environmental protection chemical coating, polyurethane equipment, paint detection system etc.

SPECIFICATIONS

Pressure Media	Fluid, Gas
Supply Voltage	12 to 36V
Accuracy	$\pm 0.5\%$ (25°C)
Over Pressure	200-300% full scale
Long Term Stability	<0.5% FS per year
Response	<100ms

Output Signal	(4~20)mA (2-wire/ 4-wire) , (0~10/20) mA (0~5) V, (1~5) V, (0~10) V, etc.
Temperature Range	-20~95℃(Normal), -20~250℃(Installation of the bellow)
Temperature Effects	0.00015%FS/℃
Pressure Connection	User specified
Electrical Connection	DIN Plug/Socket or Cable Type
Protection Class	IP65
Vibration resistance	Sine curve: 20g, 25Hz~2kHz: IEC 60068-2-6 Random: 7.5grms, 5Hz~1kHz: IEC 60068-2-64

ORDERING CODES

WM120W	Flush Diaphragm Pressure Transmitter	
-	Appearance Type	A: Normal AS: Shorter
-	Pressure range	e.g. 0-10bar or 0-1MPa etc.
-	Wet Part Material	-S4: 304 Stainless Steel -S6: 316 Stainless Steel
-M	Material of Diaphragm	1: 316 2: Tantalum 3: Hastelloy C 4: PTFE lined 0: specified (Please Mention)
-O	Signal Output	1: 4-20 mA 2-wires 2: 4-20 mA 4-wires 3: 0-5V 4: 0-10V 5: 1-5V 6: 1-10V 7: 0.5-4.5V (5V Power) 8: 0-10mA 9: 0-20mA 11: RS485 0: specified (Please Mention)
-S	Cable Leading-out Type	1: Hirschman 2: Directly Cable 3: Thread 4: User Specified
-D	Display	1: Without 2: LED 3: LCD
-T	Temperature	1: Normal 2: High Temperature
-A	Installment type	1: thread 2: flange

		3: clamp 4: customer specified
-	Size of installment	e.g. for A1, -1/2BSP or -M20*1.5 etc.; for A3, -2" or 3" etc.

CABLE LEADING-OUT TYPE



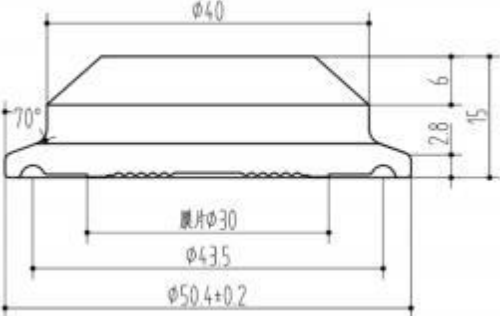
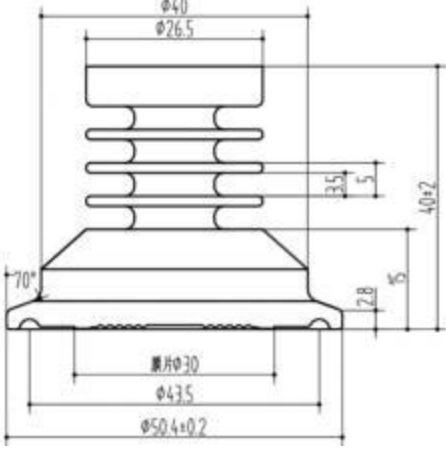
WITH HIGH TEMPERATURE BELLOW



DIMENSION

<p>Dimension</p> <p>In mm</p>		
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Thread	3 pieces bellow M20×1.5, G1/2, 3/4BSP etc.	5 pieces bellow M20×1.5, G1/2, 3/4BSP etc.
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Dimension In mm		
	Medium temperature ≤100℃	100℃<Medium temperature ≤200℃