

Main Specifications	Other specifications
<p>▼ Pressure connection Flush diaphragm connection Material: SS316L Specification: 2" / 2.5" / 3" Clamp</p> <p>▼ Electrical connector Hirschmann connector / 2088 housing (*1)</p> <p>▼ Pressure range 0...70kPa to 10MPa</p> <p>▼ Pressure type Gauge pressure / Absolute pressure / Sealed pressure</p> <p>▼ Applicable media Corrosive / viscous fluid that compatible with SS316L</p> <p>▼ Operating temperature Normal Type ▼ -40 to 85°C With cooling fin Type ▼: -40 to 150°C</p> <p>▼ Storage temperature -40 to 125°C</p> <p>▼ Protection level IP65</p>	<p>▼ Case material SS304</p> <p>▼ Clamp material SS316L</p> <p>▼ Diaphragm material SS316L</p> <p>▼ Power supply 12 / 24VDC</p> <p>▼ Output signal 2-wire: 4~20mA 3-wire: 0-5V / 0-10V</p> <p>▼ Accuracy 0.5%</p> <p>▼ Zero drift ±2%F.S. (@-20 to 85°C)</p> <p>▼ Insulation 100MΩ / 250VDC</p> <p>▼ Response time ≤1ms (increasing to 90%F.S.)</p> <p>▼ Stability ±0.2%F.S./year</p> <p>▼ Vibration resistance 20g (20~5000Hz)</p> <p>▼ Impact resistance 100g (11ms)</p> <p>▼ Overpressure 1.5*F.S.</p> <p>▼ Other requests (Option) Third party notarized documents Inspection report Tag</p>

(*1): 2088 housing has cooling fin as standard structure.



2088 housing

Clamped Flush Diaphragm Pressure Transmitter

Model: FDPT-500 Series

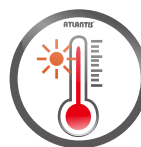
Introduction

FDPT-500 adopts a piezoresistive silicon pressure sensor with the flush diaphragm as its measuring elements. The blind space has been eliminated to prevent impurity or viscosity generated. The features make FDPT-500 transmitter suitable for the sanitary required environment such as food, pharmaceuticals, and wine industry.



Standard type

With cooling fins x3

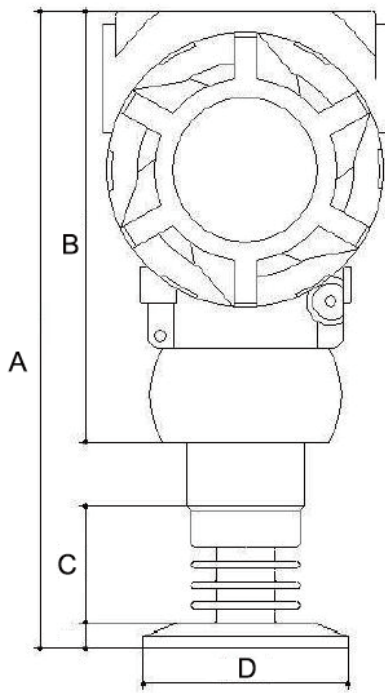


Due to the variety of customization, the picture is only for reference, please confirm the actual item with our sales. (If there is any change on specification, please take the latest version as standard.)

Features

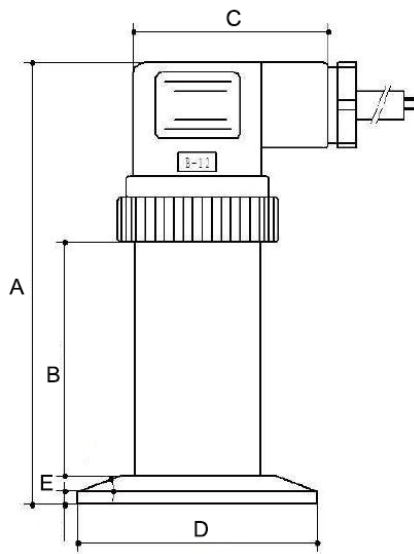
- OEM service
- The flush diaphragm connection design can prevent impurity generated
- Specially designed for high sanitary requirement
- Integrated stainless steel structure
- Compact design, easy installation
- High anti-impact and anti-vibration performance
- Various output signals for selection

Electrical connector



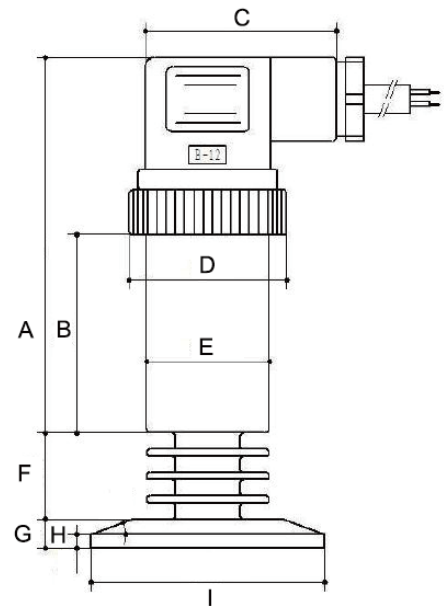
cooling fins * 3

2088 housing



Without cooling fin
Media temp -40~85°C

Hirschmann

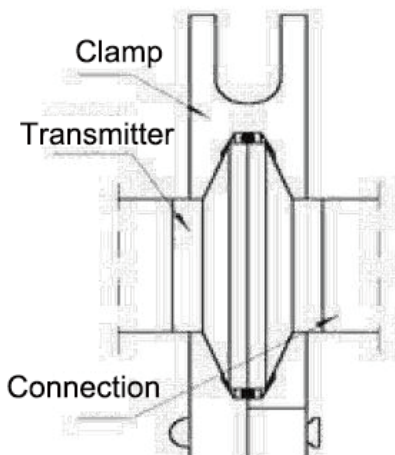


Cooling fins * 3
Media temp -40~150°C

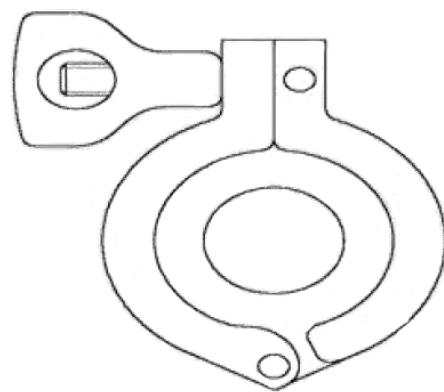
Hirschmann

With cooling fins x3

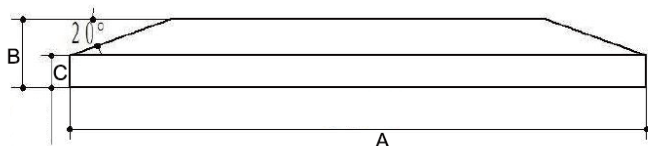
Transmitter structure



Clamp structure



Clamp dimension



How to order

FDPT-500		Clamp Flush Diaphragm Pressure Transmitter						
Code		Pressure range						
Custom		0~70kPa to 10MPa						
Code		Pressure type						
G		Gauge pressure						
A		Absolute pressure						
S		Sealed pressure						
Code		Pressure connection						
2C		2" Clamp						
25C		2.5" Clamp						
3C		3" Clamp						
Code		Electrical connector						
H		Hirschmann connector						
2088		2088 housing (*1)						
Code		Output signal						
2A		4~20mA						
3V1		1~5V						
3V0		0~5V						
Code		Cooling fin						
N		None						
Y		Cooling fin x3						
Code		Power supply						
24		24VDC						
12		12VDC						

FDPT-500	0~70kPa	G	2C	H	2A	N	24	Order example: FDPT-500-(0~70kPa)-G-2C-H-2A-N-24
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