


Main Features

- 4 types of capillaries
- 2 different internal diameters
- 1 to 30 meters
- Stainless steel

Applications

- Oil & Gas / Chemical
- Water & Waste water
- Energy
- Machinery

Description

Capillaries are used to mount pressure gauges, pressure switches or transmitters in a certain distance from the pipe or the tank.

This can be useful to separate the instrument from high or low fluid temperature or vibrations or to mount the pressure gauge at a place with better visibility. It can also reduce the influence of pulsations on the instrument.

Capillaries can also be used between measuring instruments and diaphragm seals.

The capillaries can be used without diaphragm seal, if the fluid does not attack 1.4404 (316L) stainless steel and the viscosity is compatible with the internal diameter.

The value of the temperature reduction per meter of capillary depends on several conditions. A good estimation is a reduction of the fluid temperature of 100 K/m.

Technical data

Max. pressure	1600 bar
Max. temperature	400 °C
Material	Stainless Steel 1.4404 (316L)
Length	1 m to 30 m
Types	see ordering details on page 2

Options

Degreased for oxygen applications	Code 0765
Material certificate 3.1	Code Q003

Ordering details AKPL

		-	X	XX	X	XX
Model	AKPL					
Capillary	-					
Type of capillary						
Ø 1.6 mm (standard) ⁽¹⁾						
Bare stainless Steel			1			
Stainless Steel + stainless steel protection			2			
Stainless Steel + stainless steel protection + PVC			3			
Stainless Steel + stainless steel reinforced protection			4			
Ø 2.5 mm (for RP, RD, MX, MZ) ⁽¹⁾						
Bare stainless Steel			A			
Stainless Steel + stainless steel protection			B			
Stainless Steel + stainless steel protection + PVC			C			
Stainless Steel + stainless steel reinforced protection			D			
Instrument connection						
G 1/4 swivel-nut female					F6	
G 1/2 swivel-nut female					F5	
1/2 NPT fixed nut female					0N	
G 1/2 swivel-connector male					03	
1/2 NPT fixed connector male					06	
Process connection						
G 1/4 male						2
G 1/2 male						3
1/2 NPT male						6
Capillary length ⁽²⁾						
1 m						01
2 m						02
3 m						03
4 m						04

⁽¹⁾ Internal diameter

⁽²⁾ Other lengths on request