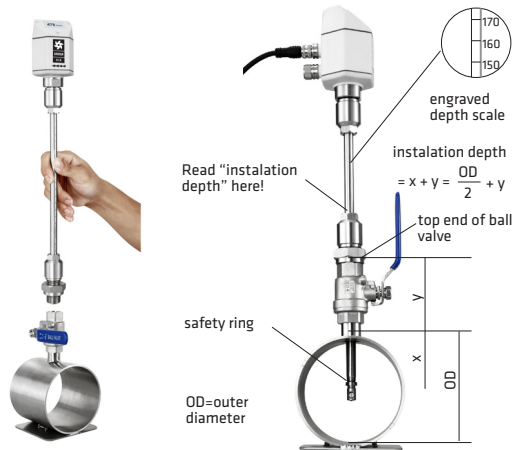


OS 400 & OS 420

ECONOMIC FLOW / CONSUMPTION SENSOR



OS 400 insertion type - installation method.



OS 420: Shortened inlet section!
Recommended inlet section length is: $l = 15 \times$ Inner pipe diam.

OS 400 & OS 420	
Pressure range:	Up to 50 bar
Accuracy:	max \pm (3 % of measured value + 0.3 % full scale) Temperature drift: 0.05 % / °C Pressure drift: 0.5 % / bar
Principle of measurement:	Thermal mass flow
Output signal:	4 to 20 mA, 3-wire
Connection:	M12, 5 pole
Process connection:	BSP thread connections
Ambient temperature:	-30 to 70 °C
Material:	Measuring section: Stainless steel 1.4404 (316L)
Included:	Power cable with M12 connector (for connection to external display)

Optional: Built-in display and external power supply.

OS 400 insertion type		
Connection size	Length of shaft	Measuring range at 7 bar(g), 20 °C
inch	mm	m ³ /h
G 1/2"	220	depends of pipe

OS 420		
Connection size	Inner pipe diam.	Measuring range at 7 bar(g), 20 °C
inch	mm	m ³ /h
G 1/4"	8,8	0,5 - 90,1
G 1/2"	16,1	0,5 - 90
G 3/4"	21,7	0,9 - 170
G 1"	27,3	1,5 - 290
G 1 1/4"	36,0	2,4 - 480
G 1 1/2"	41,9	2,8 - 552,76
G 2"	53,1	4,5 - 900
G 2 1/2"	68,9	5,1 - 1.026,5
G 3"	80,9	7,1 - 1.424,4

OS 16 & OS 40

PRESSURE SENSOR



	OS 16	OS 40
Measuring/pressure range:	Up to 16 bar	Up to 40 bar
Accuracy:	0,5 % full scale	
Response time:	1 ms	
Process connection:	G 1/4" thread	
Operating temperature:	-30 to 80 °C	
Protection class:	IP67	
Casing:	Stainless steel 304L	
Included:	Power cable (for connection to external display)	