

KYTOLA Oval Gear Meter Model 6210P is designed for measuring and monitoring of corrosive and viscous liquids.

The model 6210P oval gear meter is a positive displacement flow meter, which always shows the correct flow rate regardless of liquid temperature and viscosity changes.



- For liquid
- Several flow ranges
- Max. 8 USGPM (30 L/min)
- Transparent cover
- Large viscosity range
30 – 1000 cSt
- ATEX version (II 2GD c TX)
as option



ISO 9001 ISO 14001

OVAL GEAR METER 6210P

The flow meter consists of two elliptical gears, which the flow rotates. An inductive proximity sensor picks up the rotation, and the pulse signal can be transferred to indicators, counters or automation systems.

FEATURES

Independent of viscosity and temperature changes

Chemical resistant materials

Pulse output

TYPICAL APPLICATIONS

Chemical dosing

Industrial flow monitoring

Process control

OPTIONS

Thread adapters

Alternative sensors

Model	6210P-1	6210P-3	6210P-6	6210P-15	6210P-30
Flow range PPM	0.2 – 3	0.4 – 6	1 – 12		
Flow range USGPM				0.25 – 4	0.5 – 8
Flow range L/min	0.1 – 1.5	0.2 – 3	0.5 – 6	1 – 15	2 – 30
Output pulses/pint (pulses/liter)	993.7 (2100)	502.5 (1062)	137.2 (290)	60 (126.8)	35.87 (75.8)
Connections	1/4"	1/4"	1/4"	3/4"	3/4"
Body	PP	PP	PP	PP	PP
Gears	PPS/Hastelloy C	PPS/Hastelloy C	PPS/Hastelloy C	PP/Hastelloy C	PP/Hastelloy C
Cover	PP/PMMA	PP/PMMA	PP/PMMA	PP/PMMA	PP/PMMA
Shafts	Ceramic	Ceramic	Ceramic	Hastelloy C	Hastelloy C
Seals	EPDM or Viton®	EPDM or Viton®	EPDM or Viton®	EPDM or Viton®	EPDM or Viton®
Sensor	NAMUR; EN 60947 (*Other types of inductive proximity sensor)				
Max. pressure	145 psi (10 bar)				
Max. temperature	176°F (80°C)				
Viscosity range	30–1000 cSt				
Weight lbs (kg)	0.72 (0.33)	0.77 (0.35)	0.79 (0.36)	2.0 (0.93)	2.2 (1.0)
Accuracy	±5% of reading			* Special construction on request	

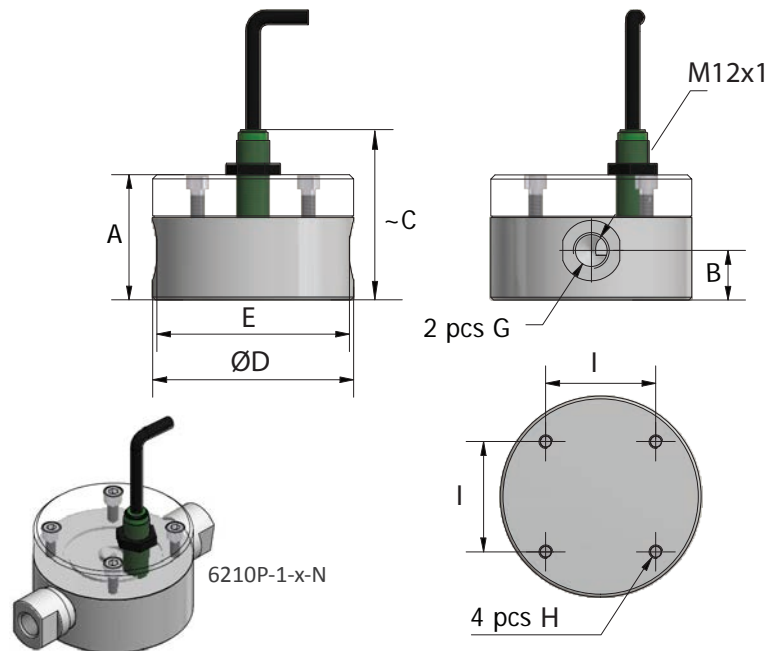
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Flow Range	PPM	USGPM	L/min
0.2 – 3			0.1 – 1.5
0.4 – 6			0.2 – 3
1 – 12			0.5 – 6
		0.25 – 4	1 – 15
		0.5 – 8	2 – 30

Seals	
EPDM	Y
Viton	V

Connections	
G threads	G
NPT thread adapters	N

Sensor	
NAMUR; EN 60947	A
PNP/NPN (2-wire) 10–55 VDC	F
PNP (3-wire)	P
NPN (3-wire)	T
Without sensor	D

Special Feature	
No ATEX (standard)	blank
ATEX version – only with NAMUR sensor, please choose options A and Z	Z



NOTE: Measurements in the drawings in this datasheet are in inches (and millimeters) if not stated otherwise.

	A	B	C	D
6210P-1	1.77(45)	0.71(18)	3.54(90)	2.87(73)
6210P-3	1.77(45)	0.71(18)	3.54(90)	2.87(73)
6210P-6	1.93(49)	0.87(22)	3.70(94)	2.87(73)
6210P-15	2.64(67)	1.06(27)	4.13(105)	4.25(108)
6210P-30	3.43(87)	1.06(27)	4.92(125)	4.25(108)

	E	G	H	I
6210P-1	2.76(70)	G1/4	M5	1.57(40)
6210P-3	2.76(70)	G1/4	M5	1.57(40)
6210P-6	2.76(70)	G1/4	M5	1.57(40)
6210P-15	4.02(102)	G3/4	M8	2.63(60)
6210P-30	4.02(102)	G3/4	M8	2.63(60)

NPT adapters – two pieces required per meter			Meter model
SRMADR1/4NPP	PP thread adapter	G1/4" to NPT1/4"	6210P-1-x-N
SRMADR1/4NPP	PP thread adapter	G1/4" to NPT1/4"	6210P-3-x-N
SRMADR1/4NPP	PP thread adapter	G1/4" to NPT1/4"	6210P-6-x-N
SRMADR3/4NPP	PP thread adapter	G3/4" to NPT3/4"	6210P-15-x-N
SRMADR3/4NPP	PP thread adapter	G3/4" to NPT3/4"	6210P-30-x-N