

MRVI - OVAL GEAR PULSE METER

Oval gear electronic meters in acetal resin for measuring low, medium and high viscosity fluids. These meters interface easily with management systems, making them the ideal solution to fit on non-commercial fuel distributors in fixed lubricant transfer/distribution systems. Also ideal as flow meters for cistern loading arms, controlling the consumption of fuel in burners or generator sets and other industrial applications.



DESCRIPTIONS

Models	Pulse/liter	Flow Range l/min	Pressure bar	Fluid compatibility	Hydraulic connections	Weight kg	Dimensions mm.
MRVI200H	1400	0.1 - 2,5	1000	1, 2, 3, 5	1/8"	0,5	130x65x108
MRVI200	1400	0.1 - 2.8	30	1, 2, 3	1/4"	0,5	130x65x108
MRVI200SS	1000	0.08 - 0.67	100	1, 2, 3, 4, 5	1/4"	0,9	51X68X47
MRVI400	100	1 - 30	70	1, 2, 3, 4	1/2"	0,5	300x160x110
MRV6002	52	6 - 60	70	1, 2, 3, 4	3/4"	2	200x120x140
MRVI6003	35	10 - 100	30	1, 2, 3, 4	1"	2,6	200x120x140
MRVI6004	26	15 - 150	20	2, 3, 4	1"1/2	3,2	200x120x140
MRVI700	14	25 - 250	20	2, 3, 4	2"	5,5	280x160x140
MRVI900	10	50 - 500	20	2, 3, 4	3"	12	400x290x200

1 = Lubricants, oils; 2 = Diesel; 3 = Gasoline; 4 = Antifreeze; 5 = Grease

TECHNICAL SPECIFICATIONS

Accuracy:	± 0.5% in flow rate range after calibration
Repeatability:	0.2%
Pressure drop:	<0.5 bar at max. flow
Body:	measurement chamber aluminum, acetal oval gears (MRVI200SS316 stainless steel)
Hydraulic connections:	inlet / outlet female thread
Filter:	Inbuilt suction filter (except mod. MRVI200 and MRVI400).
Output signal:	contact (reed switch), single channel Max 28 V AC / DC 100 mA
Option MRVI900:	with display and transmit impulses. Display Power 4-12 Vdc, 1.2 A open collector output max 50 V, 1.2 A, single channel Board display for calibration and local reading



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MRVI200SS OVAL GEAR FLOW METERS

- Suitable for a wide range of liquids also viscous, self-lubricating
- Precise and highly repetitive measures
- Recommended use for predetermination dosing systems
- Instantaneous and totalized flow control systems
- Food: milk, juices, glucose, margarine, creams, paste, yeast, chocolate
- Oil industry: fuels, oils, petroleum, kerosene, bitumen, LPG, diesel additives
- Pharmaceutical-Cosmetics Industry: water, syrups, sugars, alcohols, glycerine, perfumes, creams, shampoos
- Chemical industry: dyes, solvents, ammonia, soda, ketones, detergents, soaps, acids, resins, etc.



TECHNICAL SPECIFICATIONS

Model:	MRVI200SS
Flow l/min >5cPs	0,03-1,67
Flow l/min <5cPs	0,08-1,67
Pulse/l number	1000
Recommended filter	75 micron
Accuracy	+/-1% v.m.
Repeatability	+/- 0.03% v.m.
Temperature (max):	120°C
Pressure bar (max):	10
Body and rotors:	AISI
Shaft	AISI
Process connections	1/4" F gas
Sensors:	Reed



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