

OVAL WHEEL METER OaP



MAIN CHARACTERISTICS

- Product type: direct volume meter (Double-Case)
- Application: Volume / flow measurement for liquids
- Measuring accuracy: up to $\pm 0.2\%$ of measured value (optional $\pm 0.05\%$)
- Ex-approval: Zone 1
- Process temperature: -40°C up to 290°C
- Process pressure: up to 100 bar
- Housing material: cast steel, stainless steel optional for DN25-DN150
- Wetted parts: Aluminium, cast iron, stainless steel optional for DN25-DN150
- Power supply: NAMUR, 24 VDC
- Output / Display: Mechanical display, pulse output acc. to NAMUR, HART® 4-20 mA, Open-collector
- Process connection: Flange acc. to DIN or ANSI
- Special features: low pressure drop, the only oval wheel meter with SIL 2 worldwide, no inlet and outlet pipe section required, NACE, MR0175, 10-point linearization

MEASURING RANGE

Viscosity in mPa·s			< 0.3	0.3 – 1.5	1.5 - 150	150-350	350-1000	1000- 3000	
Type	DN	Q _{max} [l/min]	Flow rate	[l/min]	[l/min]	[l/min]	[l/min]	[l/min]	
OaP 5	25	60	min	8	5	5	2.5	1.25	0.45
			Continuous	18	36	50	28	14	5
			max	48	60	60	30	15	5.4
OaP 10	25	120	min	16	10	10	7	3,5	1.2
			Continuous	36	73	99	77	39	13.2
			max	96	120	120	84	42	14.4
OaP 50	50	360	min	50	30	30	18	9	3
			Continuous	110	220	297	198	99	33
			max	300	360	360	216	108	36
OaP 125	65	840	min	100	70	70	60	40	15
			Continuous	220	460	578	660	440	165
			max	600	840	840	720	480	180
OaP 250	80	1440	min	200	120	120	100	60	30
			Continuous	440	790	1100	1100	660	330
			max	1200	1440	1440	1200	720	360
OaP 600	100	3600	min	400	250	250	200	150	75
			Continuous	880	1800	2750	2750	1650	830
			max	2400	3600	3600	3000	1800	900
OaP 1200	150 6"	6000	min	800	500	500	400	250	120
			Continuous	1800	2800	3900	4400	2800	1300
			max	4800	6000	6000	4800	3000	1400
OaP 2000	200 8"	9600	min	1300	800	800	660	400	200
			Continuous	2900	4400	6100	7300	4400	2200
			max	7800	9600	9600	7900	4800	2400
OaP 3200	300 12"	14400	min	2000	1200	1200	1000	600	300
			Continuous	4400	6600	8800	11000	6600	3300
			max	12000	14400	14400	12000	7200	3600
OaP 4000	400 16"	24000	min	3200	200	2000	1500	1000	400
			Continuous	7300	11000	15000	17000	11000	4400
			max	19000	24000	24000	18000	12000	4800

Further information and product variants are available on request

