

OVAL WHEEL METER FLOWAL® PLUS OR

MAIN CHARACTERISTICS



- Product Type: direct volume meter (Single-Case)
- Application: for liquids
- Measuring accuracy: up to ± 0.3 % of measured value (optional ± 0.25 %), $> 3\text{mPa}\cdot\text{s}$
- Ex-approval: Zone 1
- Process temperature: -40°C up to 130°C
- Process pressure: up to 68 bar
- Housing material: stainless steel, Aluminium, PVDF, Polypropylene, PEEK
- Wetted parts: stainless steel, PEEK
- Power supply: NAMUR, NPN, PNP, battery, 24 VDC
- Output / Display: 4-20 mA, pulse output, digital display
- Process connection: Internal thread acc. to ISO 288
- Special features: Low pressure loss, maintenance-free, blind version with 2-channel pulse pick-up can be used in custody transfer metering systems

MEASURING RANGE

Material: Oval wheel meter made of stainless steel

Viscosity range in mPa·s		0.3 – 1.5	1.5 - 150	150 - 350	350 - 1000	1000 - 3000
Type	Process connection	$Q_{\min} - Q_{\max}$ (l/min)	$Q_{\min} - Q_{\max}$ (l/min)	$Q_{\min} - Q_{\max}$ (l/min)	$Q_{\min} - Q_{\max}$ (l/min)	$Q_{\min} - Q_{\max}$ (l/min)
OR015	G ¼	0.03 – 1	0.03 – 1	0.01 – 0.3	-	-
OR06	G ½	0.2 – 5	0.2 – 5	0.1 – 1.8	0.05 – 0.6	-
OR1	G ½	0.4 – 10	0.4 – 10	0.2 – 7.5	0.1 – 2.5	-
OR2	G ¾	1 – 30	1 – 30	0.4 – 11	0.3 – 4	-
OR5	G 1	2 – 50	2 – 50	1 – 25	0.6 – 12.5	0.3 – 4.5
OR10	G 1	4 – 100	4 – 100	2 – 70	1 – 35	1 – 12
OR50	G 2	15 – 300	15 – 300	4 – 180	3 – 90	2 – 30
OR115	G 2	35 - 660	35 - 660	10 - 480	6 - 240	3 - 100

Material: Oval wheel meter made of PEEK

Viscosity range in mPa·s		0.3 – 1.5	1.5 - 150
Type	Process connection	$Q_{\min} - Q_{\max}$ (l/min)	$Q_{\min} - Q_{\max}$ (l/min)
OR015	G ¼	0.03 – 1	0.03 – 1
OR06	G ½	0.2 – 7	0.2 – 7
OR1	G ½	0.4 – 14	0.4 – 14
OR2	G ¾	1 – 30	1 – 30
OR5	G 1	2 – 60	2 – 60
OR10	G 1	4 – 120	4 – 120

Further information and product variants are available on request

