



Flowmeters/-switches

**Variable Area-Plastic - Low Volume**  
 Polycarbonate/brass,  
 Polysulfone/stainless steel  
**Model: KSV**



Water: 0.25 1.5 l/h ... 10 80 l/h  
 Air: 20 80 NI/h ... 0.5 2.5 Nm<sup>3</sup>/h  
 t<sub>max</sub> 120°C; p<sub>max</sub> 6 bar  
 Connection: 1/4" NPT female thread  
 Accuracy: ± 6 % of full scale

**Variable Area - Plastic - Low Volume**  
 Acrylic  
**Model: KFR**



Water: 5 - 50 ml/min ... 5 - 75 l/min  
 Air: 0.05 - 0.5 NI/min ... 400 - 4000 NI/min  
 t<sub>max</sub> 65°C; p<sub>max</sub> 6,5 bar  
 Connection: 1/8" NPT, 1" NPT female thread  
 Accuracy: ±2 - 5 % of full scale

**Variable Area - Plastic**  
 Trogamide, Polysulfone, PVDF  
**Model: KSK**



Water: 1.5 - 11 l/h ... 100 - 1000 l/h  
 Air: 0.15 - 0.45 Nm<sup>3</sup>/h ... 20 - 105 Nm<sup>3</sup>/h  
 t<sub>max</sub> 140°C; p<sub>max</sub> PN 10  
 Connection:  
 G 1/4...1 female, glue-in connection  
 Accuracy: Cl. 4 according to VDI

**Variable Area - Plastic**  
 Trogamide, Polysulfone  
**Model: KSM**



Water: 15 - 150 l/h ... 8000 - 60000 l/h  
 Air: 0.8 - 5 Nm<sup>3</sup>/h ... 300 - 2500 Nm<sup>3</sup>/h  
 t<sub>max</sub> 140°C; p<sub>max</sub> 16 bar  
 Connection: G 1/2...3 1/2 female/male thread  
 Accuracy: Cl. 4 according to VDI

**Variable Area - Low Volume - Switch**  
 Stainless steel  
**Model: KSR, SVN**



Water: 2 - 250 ml/min  
 Air: 3 - 360 NI/h  
 t<sub>max</sub> 70°C; p<sub>max</sub> 16 bar  
 Connection: G 1/4, 1/4" NPT female thread

**Variable Area - Low Volume**  
 Stainless steel  
**Model: KDF-9/KDG-9**



Water: 0.02 - 0.25 l/h ... 10 - 100 l/h  
 Air: 2 - 20 NI/h... 300 - 3000 NI/h  
 t<sub>max</sub> 100°C; p<sub>max</sub> 16 bar  
 Connection: G 1/4, 1/4" NPT female thread  
 Accuracy: ± 3 % q<sub>0.5</sub> = 50 %

**Variable Area - Low Volume**  
 Stainless steel  
**Model: KDF-2/KDG-2**



Water: 0.025 - 2.5 l/h ... 16 - 160 l/h  
 Air: 0.5 - 5 NI/h ... 500 - 5000 NI/h  
 t<sub>max</sub> 100°C; p<sub>max</sub> 16 bar  
 Connection: G 1/4, 1/4" NPT female thread  
 Accuracy: ± 2,5 % q<sub>0.5</sub> = 50 %

**Variable Area - Glass Cone**  
 Stainless steel, POM-C  
**Model: UMR, UXR**



Water: 0.5 - 5 l/h ... 15 - 150 l/h  
 Air: 0.005 - 0.05 Nm<sup>3</sup>/h ... 0.3 - 3 Nm<sup>3</sup>/h  
 t<sub>max</sub> 100°C; p<sub>max</sub> 16 bar  
 Connection: G 1/4 female thread  
 Accuracy: Cl. 4 according to VDI

**Variable Area - Glass Cone - Thread Connection**  
 Stainless steel, PVC  
**Model: URM**



Water: 0.25 - 2.5 l/h ... 2500 - 25000 l/h  
 Air: 3.2 - 32 NI/h ... 50 - 500 Nm<sup>3</sup>/h  
 t<sub>max</sub> 100°C; p<sub>max</sub> 20 bar  
 Connection: G 3/8...3 male, G 1/4...G 1 1/2 female, DIN 11851, hose connection  
 Accuracy: Cl. 4 according to VDI

**Variable Area - Glass Cone**  
 PVC  
**Model: URB**



Water: 10 - 100 l/h ... 100 - 1000 l/h  
 Air: 0.32 - 3.2 Nm<sup>3</sup>/h ... 3.2 - 32 Nm<sup>3</sup>/h  
 t<sub>max</sub> 65°C; p<sub>max</sub> 6 bar  
 Connection: G 1/2...1 1/4 male thread  
 Accuracy: Cl. 4 according to VDI

**Variable Area - Glass Cone**  
 Stainless steel, POM-C  
**Model: UVR, UTR**



Water: 10 - 100 l/h ... 200 - 2000 l/h  
 Air: 0.1 - 1 Nm<sup>3</sup>/h ... 5 - 50 Nm<sup>3</sup>/h  
 t<sub>max</sub> 100°C; p<sub>max</sub> 16 bar  
 Connection: G 3/8, G 1/2 female thread  
 Accuracy: Cl. 4 according to VDI

**Variable Area - Glass Cone - Loose Flange**  
 PVC, PTFE  
**Model: URL**



Water: 1 - 10 l/h ... 250 - 2500 l/h  
 Air: 0.01 - 0.1 Nm<sup>3</sup>/h ... 10 - 100 Nm<sup>3</sup>/h  
 t<sub>max</sub> 100°C; p<sub>max</sub> 6 bar  
 Connection: flange DN 15...40  
 Accuracy: Cl. 4 according to VDI





Flowmeters/-switches

**Variable Area - Glass Cone**  
Stainless steel, PVDF, PVC

Model: V31



Water: 1.1 - 11 l/h ... 1000 - 10000 l/h  
Air: 36 - 360 Nm<sup>3</sup>/h ... 18 - 180 Nm<sup>3</sup>/h  
t<sub>max</sub> 80 °C; p<sub>max</sub> 15 bar  
Connection: G ¼ ... 2 female,  
flange DN 10 ... 65, ANSI ½" ... 2 ½"  
Accuracy: Cl. 1.6/2.5 according to VDI

**Variable Area - Glass Cone - Fixed Flange**  
Stainless steel

Model: URK



Water: 1 - 10 l/h ... 15000 - 50000 l/h  
Air: 0.02 - 0.2 Nm<sup>3</sup>/h ... 50 - 500 Nm<sup>3</sup>/h  
t<sub>max</sub> 100 °C; p<sub>max</sub> 20 bar  
Connection: flange DN 15 ... 80,  
ANSI ½" ... 3"  
Accuracy: Cl. 4 according to VDI

**Variable Area - Glass Cone - Table Mounting**  
POM-C

Model: URA



Water: 15 - 150 l/h  
Air: 0.3 - 3 Nm<sup>3</sup>/h  
t<sub>max</sub> 80 °C; p<sub>max</sub> 16 bar  
Connection: G ¼ female thread  
Accuracy: Cl. 4 according to VDI

**Variable Area - Glass Cone for Compressors**  
Brass

Model: UTS



Air: 10 - 100 Nm<sup>3</sup>/h ... 0.3 - 3 Nm<sup>3</sup>/h  
t<sub>max</sub> 55 °C; p<sub>max</sub> 3 bar  
Connection:  
M18 x 1.5, axial special connection  
Accuracy: Cl. 4 according to VDI

**Variable Area**  
Brass, stainless steel

Model: DSV-1



Water:  
0.25 - 1.25 l/min ... 10 - 130 l/min  
Air: on request  
t<sub>max</sub> 100 °C; p<sub>max</sub> 10 bar  
Connection:  
G ¼ ... 1 ¼, ¼ ... 1 ¼" NPT female  
Accuracy: ± 4 % of full scale

**Variable Area**  
Brass, stainless steel

Model: DSV-3



Water:  
0.25 - 1.25 l/min ... 10 - 130 l/min  
Air: on request  
t<sub>max</sub> 100 °C; p<sub>max</sub> 10 bar  
Connection:  
G ¼ ... 1 ¼, ¼ ... 1 ¼" NPT female  
Accuracy: ± 4 % of full scale

**Variable Area Switch - Low Volume**  
PVC

Model: SWK-13



Water: 0.2 - 0.8 l/min ... 13 - 24 l/min  
Air: on request  
t<sub>max</sub> 60 °C; p<sub>max</sub> 6 bar  
Connection: G ½ female thread  
Accuracy: ± 4 % of full scale

**Variable Area Switch - Low Volume**  
Brass, stainless steel

Model: SWK-1



Water: 0.05 - 0.1 l/min ... 13 - 24 l/min  
Air: on request  
t<sub>max</sub> 100 °C; p<sub>max</sub> 250 bar  
Connection: G ½ female thread  
Accuracy: ± 4 % of full scale

**Variable Area - Low Volume**  
Brass, stainless steel

Model: SWK-2



Water: 0.05 - 0.1 l/min ... 13 - 24 l/min  
Air: on request  
t<sub>max</sub> 100 °C; p<sub>max</sub> 250 bar  
Connection: G ½ female thread  
Accuracy: ± 4 % of full scale

**Variable Area - All Metal - Low Volume**  
Stainless steel

Model: KDS



Water: 0.1 - 1 l/h ... 20 - 200 l/h  
Air: 5 - 50 Nm<sup>3</sup>/h ... 600 - 6000 Nm<sup>3</sup>/h  
t<sub>max</sub> 130 °C; p<sub>max</sub> PN 16/40  
Connection: ¼" NPT  
Option: Analogue output 4 - 20 mA  
Accuracy: ± 3 % q<sub>5</sub> 50

**Variable Area - All Metal - Low Volume**  
Stainless steel

Model: BGK



Water: 0.1 - 1 l/h ... 20 - 200 l/h  
Air: 5 - 50 Nm<sup>3</sup>/h ... 600 - 6000 Nm<sup>3</sup>/h  
t<sub>max</sub> 130 °C; p<sub>max</sub> PN 40 (higher on request)  
Connection: DN 10, DN 15, DN 20,  
ANSI ½", ¾", 1"  
Option: Analogue output 4 - 20 mA  
Accuracy: ± 3 % q<sub>5</sub> 50

**Variable Area - All Metal**  
Stainless steel, special material on request

Model: BGN



Water: 0.5 - 5 l/h ... 13000 - 130000 l/h  
Air:  
0.015 - 0.15 Nm<sup>3</sup>/h ... 240 - 2400 Nm<sup>3</sup>/h  
t<sub>max</sub> 350 °C; p<sub>max</sub> PN 40 (higher on request)  
Connection:  
flange DN 15 ... 150, ANSI ½" ... 6"  
Options: Analogue output,  
BUS-Interface, Heating coat  
Accuracy: ± 1.6 - 2.2 % of full scale





Flowmeters/-switches

**Variable Area - All Metal**

Stainless steel, special material on request

Model: BGN-High Pressure



Water: 0.5 - 5 l/h ... 13000 - 130000 l/h  
Air:  
0.015 - 0.15 Nm<sup>3</sup>/h ... 240 - 2400 Nm<sup>3</sup>/h  
t<sub>max</sub> 350°C; p<sub>max</sub> 600 bar  
Connection: flange DN 15...150,  
ANSI ½"...6", thread, special connections  
Options: Analogue output,  
BUS-Interface, Heating coat  
Accuracy: ± 1.6 - 2.2 % of full scale

**Variable Area - All Metal**

Brass, stainless steel

Model: DSS



Water: 0.05 - 1 l/min ... 10 - 110 l/min  
t<sub>max</sub> 100°C; p<sub>max</sub> 350 bar  
Connection:  
G ¼...1¼, ¼...1¼" NPT female thread  
Accuracy: ± 5 % of full scale

**Variable Area - All Metal**

Brass, stainless steel

Model: SMV



Water: 0.1 - 1 l/min ... 10 - 110 l/min  
t<sub>max</sub> 100°C; p<sub>max</sub> 350 bar  
Connection:  
G ¼...1¼, ¼...1¼" NPT female thread  
Accuracy: ± 5 % of full scale

**Displacer All Metal**

Brass, stainless steel

Model: SMO,SMW



Water: 0.2 - 3 l/min ... 10 - 120 l/min  
t<sub>max</sub> 100°C; p<sub>max</sub> 350 bar  
Connection:  
G ¼...1, ¼...¾" NPT female thread  
Accuracy: ± 5 % of full scale

**Variable Area All Metal - Mounting Position Independent**

Stainless steel, special material on request

Model: BGF



Water: 10 - 100 l/h ... 4000 - 40000 l/h  
Air: 0.3 - 3 Nm<sup>3</sup>/h ... 110 - 1100 Nm<sup>3</sup>/h  
t<sub>max</sub> 350°C; p<sub>max</sub> PN 40  
Connection:  
flange DN 15...80, ANSI ½"...3"  
Accuracy: ± 1.6 according to VDI

**Displacer Switch - Mounting Position Independent**

Brass, stainless steel

Model: SMN

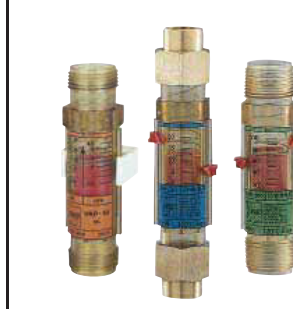


Water: 1 - 100 l/min  
t<sub>max</sub> 100°C; p<sub>max</sub> 350 bar  
Connection: 1" NPT, G 1 female thread  
Accuracy: ± 5 % of full scale

**Viscosity Compensated - Plastic**

Polysulfone

Model: VKP



Water: 2 - 20 l/min ... 20 - 100 l/min  
Oil: 1 - 18 l/min ... 10 - 75 l/min  
t<sub>max</sub> 120°C; p<sub>max</sub> 16 bar  
Connection:  
G ½, G ¾ female/male thread, G 1, 1" NPT  
male thread, soldered or glue-in connection  
Accuracy: ± 5 % of full scale

**Viscosity Compensated**

Brass, stainless steel

Model: VKG



Viscosity range: 1 - 540 mm<sup>2</sup>/s  
Oil: 0.1 - 0.45 l/min ... 5 - 80 l/min  
t<sub>max</sub> 100°C; p<sub>max</sub> 12 bar  
Connection: G ¼...1, ¼...1" NPT  
Accuracy: ± 4 % of full scale

**Viscosity Compensated - All Metal**

Brass, stainless steel

Model: VKM



Viscosity range: 1 - 540 mm<sup>2</sup>/s  
Oil: 0.01 - 0.07 l/min ... 8 - 80 l/min  
t<sub>max</sub> 100°C; p<sub>max</sub> 350 bar  
Connection: G ¼...1, ¼...1" NPT  
Accuracy: ± 4 % of full scale

**Viscosity Compensated - All Metal**

Brass, stainless steel

Model: VKM with ADI-1

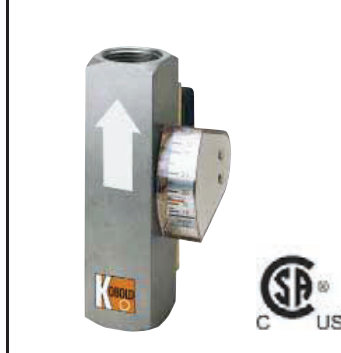


Viscosity range: 1 - 540 mm<sup>2</sup>/s  
Oil: 0.01 - 0.063 l/min ... 8 - 72 l/min  
t<sub>max</sub> 100°C; p<sub>max</sub> 350 bar  
Connection: G ¼...1, ¼...1" NPT  
Accuracy: ± 4 % of full scale

**Viscosity Compensated - All Metal**

Brass

Model: VKA



Viscosity range: 30 - 540 mm<sup>2</sup>/s  
Oil: 0.1 - 0.4 l/min ... 30 - 100 l/min  
t<sub>max</sub> 100°C; p<sub>max</sub> 250 bar  
Connection:  
G ¼...1, ½" NPT, ¾" NPT female thread  
Accuracy: ± 4 % of full scale

**Manifold Valves for Multiple Installation**

Aluminium

Model: BVB



t<sub>max</sub> 100°C; p<sub>max</sub> PN 64  
Connection: G ½ female thread





## Flowmeters/-switches

**Paddle Switch**  
Brass, stainless steel  
Model: PSR



Water:  
2.3 - 4.7 l/min ... 47.6 - 67.2 l/min  
 $t_{max}$  110°C;  $p_{max}$  100 bar  
Connection:  
G 1/4...1 1/2, 1/4...1 1/2" NPT female thread

**Paddle Switch**  
Brass, stainless steel  
Model: PSE



Water: 68 - 90 l/min ... 383 - 533 l/min  
 $t_{max}$  110°C;  $p_{max}$  100 bar  
Connection: G 1/2, 1/2" NPT male thread

**Paddle Switch - Polysulfone**  
Polysulfone  
Model: PPS



Water: 18 - 36 l/min ... 72 - 108 l/min  
 $t_{max}$  105°C;  $p_{max}$  10 bar  
Connection: G 1, 1" NPT male thread  
Accuracy:  $\pm 20$  % of reading

**Paddle Switch - Air**  
Brass  
Model: LPS



Air: 1 - 8 m/s  
 $t_{max}$  85°C;  $p_{max}$  atmospheric  
Connection: connection plate

**Paddle Bellow Switch**  
Brass, stainless steel  
Model: FPS



Water:  
0.17 - 0.85 m³/h ... 72.6 - 165.7 m³/h  
 $t_{max}$  120°C;  $p_{max}$  30 bar  
Connection: G 1/2, G 3/4 female thread, G 1, 1" NPT male thread

**Paddle Bellow Switch**  
Brass, stainless steel, PVC  
Model: DWN



Water: 1 - 5 l/min ... 900 - 3600 m³/h  
 $t_{max}$  100°C;  $p_{max}$  PN 16  
Connection: G 3/8...2, 3/8...2" NPT female thread, flange DN 10...50, ANSI 3/8"...2", weld-on flange DN 40...500  
Accuracy:  $\pm 3 - 5$  % of full scale

**Paddle Bellow Meter/Switch**  
Brass, Stainless steel, PVC  
Model: DWU



Water: 1 - 5 l/min ... 900 - 3600 m³/h  
 $t_{max}$  100°C;  $p_{max}$  PN 16  
Connection: G 3/8...2, 3/8...2" NPT female thread, flange DN 10...50, ANSI 3/8"...2", weld-on flange DN 40...500  
Accuracy:  $\pm 3 - 5$  % of full scale

**Paddle Torsion - Meter/Switch**  
Aluminium-bronze, stainless steel  
Model: DPT...C3



Water: 5 - 30 l/min ... 850 - 1900 l/min  
 $t_{max}$  80°C;  $p_{max}$  PN 40  
Connection: G 3/8...3, 3/8...3" NPT female  
Accuracy:  $\pm 3$  % of full scale

**Paddle Torsion - Meter/Switch**  
Aluminium-bronze, stainless steel  
Model: DPT...K



Water: 5 - 30 l/min ... 850 - 1900 l/min  
 $t_{max}$  80°C;  $p_{max}$  PN 40  
Connection: G 3/8...3, 3/8...3" NPT female  
Accuracy:  $\pm 3$  % of full scale

**Baffle Flap Meter/Switch**  
Brass, stainless steel, PVC  
Model: DWD



Water: 1 - 10 l/min ... 360 - 3600 m³/h  
 $t_{max}$  120°C;  $p_{max}$  25 bar  
Connection: G 3/8...2, 3/8...2" NPT female thread, flange DN 10...50, ANSI 3/8"...2", weld-on flange DN 40...500  
Accuracy:  $\pm 1.5$  % of full scale

**Flap Meter/Switch**  
Steel, stainless steel, PP, PVDF, Hastelloy  
Model: TSK



Water: 0.5 - 3.5 m³/h ... 200 - 1500 m³/h  
 $t_{max}$  300°C;  $p_{max}$  PN 40  
Connection: wafer flange DN 25...500, ANSI 1"...20"  
Accuracy:  $\pm 2$  % of reading

**Flow, Humidity and Temperature Hand-Held Measuring Unit**  
Model: HND-F115



Measuring range: 0.05...5 m/s Water; 0.55...20 m/s Air  
Humidity: 0...100% rH  
Temperature: -40...+120°C, -80...250°C  
Accuracy: from  $\pm 0.1$  %



Flowmeters/-switches

**Turbine Wheel - Pulse Output**  
Brass, stainless steel, PPO  
Model: DRS-...F5



Water: 2 - 40 l/min  
 $t_{max}$  150°C;  $p_{max}$  200 bar  
Connection: G 1/2, G 3/4, 3/4" NPT  
Accuracy:  $\pm$  1.5 % of full scale

**Turbine Wheel - Analogue Output**  
Brass, stainless steel, PPO  
Model: DRS-...L3



Water: 2 - 40 l/min  
 $t_{max}$  80°C;  $p_{max}$  200 bar  
Connection: G 1/2, G 3/4, 3/4" NPT  
Accuracy:  $\pm$  1.5 % of full scale

**Turbine Wheel - Analogue Output**  
Brass, stainless steel, PPO  
Model: DRS-...L4 with AUF



Water: 2 - 40 l/min  
 $t_{max}$  80°C;  $p_{max}$  200 bar  
Connection: G 1/2, G 3/4, 3/4" NPT  
Accuracy:  $\pm$  1.5 % of full scale

**Turbine Wheel - Pointer Indicator**  
Brass, stainless steel, PPO  
Model: DRS-...Z3



Water: 2 - 40 l/min  
 $t_{max}$  80°C;  $p_{max}$  200 bar  
Connection: G 1/2, G 3/4, 3/4" NPT  
Accuracy:  $\pm$  1.5 % of full scale

**Turbine Wheel - Compact Electronic**  
Brass, stainless steel, PPO  
Model: DRS-...C3



Water: 2 - 40 l/min  
 $t_{max}$  80°C;  $p_{max}$  200 bar  
Connection: G 1/2, G 3/4, 3/4" NPT  
Accuracy:  $\pm$  1.5 % of full scale

**Turbine Wheel - Counter**  
Brass, stainless steel, PPO  
Model: DRS with ZED



Water: 2 - 40 l/min  
 $t_{max}$  150°C;  $p_{max}$  200 bar  
Connection: G 1/2, G 3/4, 3/4" NPT  
Accuracy:  $\pm$  1.5 % of full scale

**Turbine Wheel - Pulse Output**  
PVC, PVDF  
Model: TUR-1



Water: 0.2 - 5 m<sup>3</sup>/h ... 2.5 - 100 m<sup>3</sup>/h  
 $t_{max}$  70°C;  $p_{max}$  10 bar  
Connection: flange DN 25 ... 100  
Accuracy:  $\pm$  1 % of full scale

**Turbine Wheel - Analogue Output**  
PVC, PVDF  
Model: TUR-2...M



Water: 0.2 - 5 m<sup>3</sup>/h ... 2.5 - 100 m<sup>3</sup>/h  
 $t_{max}$  70°C;  $p_{max}$  10 bar  
Connection: flange DN 25 ... 100  
Accuracy:  $\pm$  1 % of full scale

**Turbine Wheel - Pointer Indicator**  
PVC, PVDF  
Model: TUR-2...Z3



Water: 0.2 - 5 m<sup>3</sup>/h ... 2.5 - 100 m<sup>3</sup>/h  
 $t_{max}$  70°C;  $p_{max}$  10 bar  
Connection: flange DN 25 ... 100  
Accuracy:  $\pm$  1 % of full scale

**Turbine Wheel - Compact Electronics**  
PVC, PVDF  
Model: TUR-2...C3



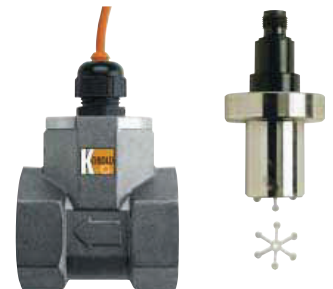
Water: 0.2 - 5 m<sup>3</sup>/h ... 2.5 - 100 m<sup>3</sup>/h  
 $t_{max}$  70°C;  $p_{max}$  10 bar  
Connection: flange DN 25 ... 100  
Accuracy:  $\pm$  1 % of full scale

**Turbine Wheel - Digital Display**  
PVC, PVDF  
Model: TUR-2...K



Water: 0.2 - 5 m<sup>3</sup>/h ... 2.5 - 100 m<sup>3</sup>/h  
 $t_{max}$  70°C;  $p_{max}$  10 bar  
Connection: flange DN 25 ... 100  
Accuracy:  $\pm$  1 % of full scale

**Turbine Wheel - Pulse - Analogue Output**  
Aluminium-bronze, stainless steel  
Model: DPE



Water: 5 - 30 l/min ... 50 - 750 l/min  
 $t_{max}$  80°C;  $p_{max}$  PN 40  
Connection: G 1/2...3, 1/2...3" NPT female thread, weld-on sleeve DN 25 ... 80  
Accuracy:  $\pm$  2.5 % of full scale





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**Turbine Wheel - Analogue Output**

Aluminium-bronze, stainless steel  
Model: DPE with AUF



Water: 5 - 30 l/min ... 50 - 750 l/min  
 $t_{max}$  80 °C;  $p_{max}$  PN 40  
Connection: G ½...3, ½"...3" NPT female thread, weld-on sleeve DN 25...80  
Accuracy: ± 2.5 % of full scale

**Turbine Wheel - Pointer Indicator**

Aluminium-bronze, stainless steel  
Model: DPE-...Z3



Water: 5 - 30 l/min ... 50 - 750 l/min  
 $t_{max}$  80 °C;  $p_{max}$  PN 40  
Connection: G ½...3, ½"...3" NPT female thread, weld-on sleeve DN 25...80  
Accuracy: ± 2.5 % of full scale

**Turbine Wheel - Compact Electronics**

Aluminium-bronze, stainless steel  
Model: DPE-...C3



Water: 5 - 30 l/min ... 50 - 750 l/min  
 $t_{max}$  80 °C;  $p_{max}$  PN 40  
Connection: G ½...3, ½"...3" NPT female thread, weld-on sleeve DN 25...80  
Accuracy: ± 2.5 % of full scale

**Turbine Wheel - Digital Display**

Aluminium-bronze, stainless steel  
Model: DPE with ADI-1



Water: 5 - 30 l/min ... 50 - 750 l/min  
 $t_{max}$  80 °C;  $p_{max}$  PN 40  
Connection: G ½...3, ½"...3" NPT female thread, weld-on sleeve DN 25...80  
Accuracy: ± 2.5 % of full scale

**Turbine Wheel - Dosing Electronics**

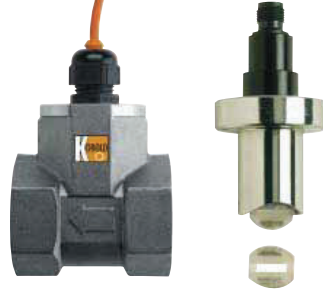
Aluminium-bronze, stainless steel  
Model: DPE with ZED



Water: 5 - 30 l/min ... 50 - 750 l/min  
 $t_{max}$  80 °C;  $p_{max}$  PN 40  
Connection: G ½...3, ½"...3" NPT female thread, weld-on sleeve DN 25...80  
Accuracy: ± 2.5 % of full scale

**Turbine Wheel - Pulse-Analogue Output**

Aluminium-bronze, stainless steel  
Model: DRB



Water: 5 - 30 l/min ... 50 - 750 l/min  
 $t_{max}$  80 °C;  $p_{max}$  16 bar  
Connection: G ½...3, ½"...3" NPT female thread, weld-on sleeve DN 25...80  
Accuracy: ± 3 % of full scale

**Turbine Wheel - Analogue Output**

Aluminium-bronze, stainless steel  
Model: DRB with AUF



Water: 5 - 30 l/min ... 50 - 750 l/min  
 $t_{max}$  80 °C;  $p_{max}$  16 bar  
Connection: G ½...3, ½"...3" NPT female thread, weld-on sleeve DN 25...80  
Accuracy: ± 3 % of full scale

**Turbine Wheel - Pointer Indicator**

Aluminium-bronze, stainless steel  
Model: DRB-...Z3



Water: 5 - 30 l/min ... 50 - 750 l/min  
 $t_{max}$  80 °C;  $p_{max}$  16 bar  
Connection: G ½...3, ½"...3" NPT female thread, weld-on sleeve DN 25...80  
Accuracy: ± 3 % of full scale

**Turbine Wheel - Compact Electronics**

Aluminium-bronze, stainless steel  
Model: DRB-...C3



Water: 5 - 30 l/min ... 50 - 750 l/min  
 $t_{max}$  80 °C;  $p_{max}$  16 bar  
Connection: G ½...3, ½"...3" NPT female thread, weld-on sleeve DN 25...80  
Accuracy: ± 3 % of full scale

**Turbine Wheel - Digital Display**

Aluminium-bronze, stainless steel  
Model: DRB with ADI-1



Water: 5 - 30 l/min ... 50 - 750 l/min  
 $t_{max}$  80 °C;  $p_{max}$  16 bar  
Connection: G ½...3, ½"...3" NPT female thread, weld-on sleeve DN 25...80  
Accuracy: ± 3 % of full scale

**Turbine Wheel - Dosing Electronics**

Aluminium-bronze, stainless steel  
Model: DRB with ZED



Water: 5 - 30 l/min ... 50 - 750 l/min  
 $t_{max}$  80 °C;  $p_{max}$  16 bar  
Connection: G ½...3, ½"...3" NPT female thread, weld-on sleeve DN 25...80  
Accuracy: ± 3 % of full scale

**Turbine Wheel - Pulse Output**

Stainless steel  
Model: TUV



Water: 0.3 - 1.5 l/min ... 35 - 400 l/min  
 $t_{max}$  350 °C;  $p_{max}$  640 bar  
Connection: G ¼...1½ female thread  
Accuracy: ± 1 % of reading



Flowmeters/-switches

**Turbine Wheel - Pulse Output**  
PVDF, Stainless steel  
Model: SFL



Water: 0.5 - 20 l/min  
t<sub>max</sub> 90 °C; p<sub>max</sub> 250 bar  
Connection: G 3/8  
Accuracy: ± 1 % of full scale

**Turbine Wheel - Counter Electronics**  
Stainless steel  
Model: DOT



Water: 0.11 - 1.1 m³/h ... 700 - 7000 m³/h  
t<sub>max</sub> 240 °C; p<sub>max</sub> 250 bar  
Connection: G 1/2 ... 2, 1/2 ... 2" NPT,  
flange DN 15 ... 500  
Accuracy: ± 0.5 % (linearity)

**Turbine Wheel Flowmeter/ Counter - Battery powered**  
Nylon, brass, stainless steel  
Model: EDM



Water: 4 - 40 l/min ... 80 - 800 l/min  
t<sub>max</sub> 60 °C; p<sub>max</sub> 100 bar  
Connection: Rc 1/2 ... 2 female thread  
Accuracy: ± 1.5 % of full scale

**Turbine Wheel - Low Volume**  
Nylon, stainless steel, titanium  
Model: PEL-L



Water: 0.006 - 0.1 l/min ... 10 - 500 l/min  
t<sub>max</sub> 135 °C; p<sub>max</sub> 345 bar  
Connection:  
R 1/2 ... 1 1/4, wafer flange DN 40/50,  
glue-in connection DN 15 ... 50  
Accuracy: ± 1.25 % of full scale

**Turbine Wheel - Low Volume**  
Stainless steel, PVC, titanium  
Model: PEL-M



Water: 0.006 - 0.1 l/min ... 10 - 500 l/min  
t<sub>max</sub> 135 °C; p<sub>max</sub> 345 bar  
Connection:  
R 1/2 ... 1 1/4, wafer flange DN 40/50,  
glue-in connection DN 15 ... 50  
Accuracy: ± 1.25 % of full scale

**Rotating Vane - Low Volume - Pulse Output**  
Brass, stainless steel  
Model: DPM-...F5



Water: 0.015 - 0.7 l/min ... 0.05 - 5 l/min  
t<sub>max</sub> 80 °C; p<sub>max</sub> 16 bar  
Connection:  
G 1/8, G 1/4, 1/8" NPT, 1/4" NPT female thread  
Accuracy: ± 1 - 2.5 % of full scale

**Rotating Vane - Low Volume - Analogue Output**  
Brass, stainless steel  
Model: DPM-...L3



Water: 0.015 - 0.7 l/min ... 0.05 - 5 l/min  
t<sub>max</sub> 80 °C; p<sub>max</sub> 16 bar  
Connection:  
G 1/8, G 1/4, 1/8" NPT, 1/4" NPT female thread  
Accuracy: ± 1 - 2.5 % of full scale

**Rotating Vane - Low Volume - Analogue Output**  
Brass, stainless steel  
Model: DPM-...L4 with AUF



Water: 0.015 - 0.7 l/min ... 0.05 - 5 l/min  
t<sub>max</sub> 80 °C; p<sub>max</sub> 16 bar  
Connection: G 1/8, G 1/4, 1/8" NPT, 1/4" NPT  
Accuracy: ± 1 - 2.5 % of full scale

**Rotating Vane - Low Volume - Pointer Indicator**  
Brass, stainless steel  
Model: DPM-...Z3



Water: 0.015 - 0.7 l/min ... 0.05 - 5 l/min  
t<sub>max</sub> 80 °C; p<sub>max</sub> 16 bar  
Connection: G 1/8, G 1/4, 1/8" NPT, 1/4" NPT  
Accuracy: ± 1 - 2.5 % of full scale

**Rotating Vane - Low Volume - Compact Electronics**  
Brass, stainless steel  
Model: DPM-...C3



Water: 0.015 - 0.7 l/min ... 0.05 - 5 l/min  
t<sub>max</sub> 80 °C; p<sub>max</sub> 16 bar  
Connection: G 1/8, G 1/4, 1/8" NPT, 1/4" NPT  
Accuracy: ± 1 - 2.5 % of full scale

**Rotating Vane - Low Volume - Counter**  
Brass, stainless steel  
Model: DPM with ZED



Water: 0.015 - 0.7 l/min ... 0.05 - 5 l/min  
t<sub>max</sub> 80 °C; p<sub>max</sub> 16 bar  
Connection: G 1/8, G 1/4, 1/8" NPT, 1/4" NPT  
Accuracy: ± 1 - 2.5 % of full scale

**Rotating Vane - Low Volume - Pulse Output**  
Polypropylene  
Model: DPL-...F5



Water: 0.025 - 0.5 l/min ... 1 - 25 l/min  
t<sub>max</sub> 70 °C; p<sub>max</sub> 10 bar  
Connection:  
G 1/2 male thread, hose connector  
Accuracy: ± 2.5 % of full scale





Flowmeters/-switches

**Rotating Vane - Low Volume - Analogue Output**

Polypropylene  
Model: DPL-...L3



Water: 0.025 - 0.5 l/min ... 1 - 25 l/min  
 $t_{max}$  70 °C;  $p_{max}$  10 bar  
Connection:  
G 1/2 male thread, hose connector  
Accuracy:  $\pm$  2.5 % of full scale

**Rotating Vane - Low Volume - Analogue Output**

Polypropylene  
Model: DPL-...L4 with AUF



Water: 0.025 - 0.5 l/min ... 1 - 25 l/min  
 $t_{max}$  70 °C;  $p_{max}$  10 bar  
Connection:  
G 1/2 male thread, hose connector  
Accuracy:  $\pm$  2.5 % of full scale

**Rotating Vane - Low Volume - Pointer Indicator**

Polypropylene  
Model: DPL-...Z3



Water: 0.025 - 0.5 l/min ... 1 - 25 l/min  
 $t_{max}$  70 °C;  $p_{max}$  10 bar  
Connection:  
G 1/2 male thread, hose connector  
Accuracy:  $\pm$  2.5 % of full scale

**Rotating Vane - Low Volume - Compact Electronic**

Polypropylene  
Model: DPL-...C3



Water: 0.025 - 0.5 l/min ... 1 - 25 l/min  
 $t_{max}$  70 °C;  $p_{max}$  10 bar  
Connection:  
G 1/2 male thread, hose connector  
Accuracy:  $\pm$  2.5 % of full scale

**Rotating Vane - Low Volume - Counter**

Polypropylene  
Model: DPL with ZED



Water: 0.025 - 0.5 l/min ... 1 - 25 l/min  
 $t_{max}$  70 °C;  $p_{max}$  10 bar  
Connection:  
G 1/2 male thread, hose connector  
Accuracy:  $\pm$  2.5 % of full scale

**Rotating Vane - Low Volume**

Brass, PTFE, Ryton®  
Model: KFF-1, KFG-1



Water: 15 - 100 ml/min ... 1 - 10 l/min  
Air: 10 - 50 Nml/min ... 100 - 500 L<sub>v</sub>/min  
 $t_{max}$  50 °C;  $p_{max}$  35 bar  
Connection: hose connection 1/8" ... 1/2"  
Accuracy:  $\pm$  3 % of full scale

**Rotating Vane - Low Volume**

Brass, PTFE, Ryton®  
Model: KFF-3, KFG-3



Water: 13 - 100 ml/min ... 0.2-5 l/min  
Air: 10 - 50 Nml/min ... 2-10 L<sub>v</sub>/min  
 $t_{max}$  50 °C;  $p_{max}$  35 bar  
Connection: hose connection 1/8" ... 1/2"  
Accuracy:  $\pm$  3 % of full scale

**Rotating Vane - Low Volume**

Stainless steel  
Model: DTK



Water: 0.05 - 0.6 l/min ... 1 - 12 l/min  
 $t_{max}$  140 °C;  $p_{max}$  30 bar  
Connection: G 1/4, 1/4" NPT female thread  
Accuracy:  $\pm$  2 % of full scale

**Rotating Vane - Low Volume - Pulse Output**

Trogamide, Polysulfone, brass,  
Polypropylene, stainless steel  
Model: DF-H



Water: 0.08 - 0.5 l/min ... 40 - 160 l/min  
 $t_{max}$  80 °C;  $p_{max}$  100 bar  
Connection: G 1/4 ... 1 1/2, 1/4 ... 1 1/2" NPT,  
flange DN 15 ... 50, ANSI 1/2" ... 2"  
Accuracy:  $\pm$  2.5 % of full scale

**Rotating Vane - Low Volume - Analogue Output**

Trogamide, Polysulfone, brass,  
Polypropylene, stainless steel  
Model: DF-MA



Water: 0.08 - 0.5 l/min ... 40 - 160 l/min  
 $t_{max}$  80 °C;  $p_{max}$  100 bar  
Connection: G 1/4 ... 1 1/2, 1/4 ... 1 1/2" NPT,  
flange DN 15 ... 50, ANSI 1/2" ... 2"  
Accuracy:  $\pm$  2.5 % of full scale

**Rotating Vane Switch - Low Volume**

Trogamide, Polysulfone, brass,  
Polypropylene, stainless steel  
Model: DF-WM



Water: 0.08 - 0.5 l/min ... 40 - 160 l/min  
 $t_{max}$  80 °C;  $p_{max}$  100 bar  
Connection: G 1/4 ... 1 1/2, 1/4 ... 1 1/2" NPT,  
flange DN 15 ... 50, ANSI 1/2" ... 2"  
Accuracy:  $\pm$  2.5 % of full scale

**Rotating Vane - Low Volume - Digital Display**

Trogamide, Polysulfone, brass,  
Polypropylene, stainless steel  
Model: DF-K



Water: 0.08 - 0.5 l/min ... 40 - 160 l/min  
 $t_{max}$  80 °C;  $p_{max}$  100 bar  
Connection: G 1/4 ... 1 1/2, 1/4 ... 1 1/2" NPT,  
flange DN 15 ... 50, ANSI 1/2" ... 2"  
Accuracy:  $\pm$  2.5 % of full scale



Flowmeters/-switches

**Rotating Vane - Low Volume - Counter**

Trogamide, Polysulfone, Polypropylene, brass, stainless steel

Model: DF-Z



Water: 0.08 - 0.5 l/min ... 40 - 160 l/min  
t<sub>max</sub> 80 °C; p<sub>max</sub> 100 bar  
Connection: G ¼ ... 1½, ¼ ... 1½" NPT, flange DN 15 ... 50, ANSI ½" ... 2"  
Accuracy: ± 2.5 % of full scale

**Rotating Vane - Low Volume - Dosing Electronic**

Trogamide, Polysulfone, Polypropylene, brass, stainless steel

Model: DF-D



Water: 0.08 - 0.5 l/min ... 40 - 160 l/min  
t<sub>max</sub> 80 °C; p<sub>max</sub> 100 bar  
Connection: G ¼ ... 1½, ¼ ... 1½" NPT, flange DN 15 ... 50, ANSI ½" ... 2"  
Accuracy: ± 2.5 % of full scale

**Rotating Vane - Pulse Output Brass**

Model: DFT-11



Water: 0.2 - 2 l/min ... 3 - 60 l/min  
t<sub>max</sub> 80 °C; p<sub>max</sub> 16 bar  
Connection: G ¼ ... ¾, ¼ ... ¾" NPT  
Accuracy: ± 2.5 % of full scale

**Rotating Vane - Pulse Output PTFE**

Model: DFT-13



Water: 0.2 - 2 l/min ... 3 - 60 l/min  
t<sub>max</sub> 80 °C; p<sub>max</sub> 16 bar  
Connection: G ¼ ... ¾, ¼ ... ¾" NPT  
Accuracy: ± 2.5 % of full scale

**Rotating Vane - Digital Display PTFE, brass**

Model: DFT-13...K



Water: 0.2 - 2 l/min ... 3 - 60 l/min  
t<sub>max</sub> 80 °C; p<sub>max</sub> 16 bar  
Connection: G ¼ ... ¾, ¼ ... ¾" NPT  
Accuracy: ± 2.5 % of full scale

**Rotating Vane - Pulse - Analogue Output**

POM, PVDF, brass, stainless steel

Model: DRH-...F, DRH-...L



Water: 0.2 - 0.8 l/min ... 2.5 - 50 l/min  
t<sub>max</sub> 80 °C; p<sub>max</sub> 100 bar  
Connection: G ¾, G 1, ¾" NPT, 1" NPT  
Accuracy: ± 2.5 % of full scale

**Rotating Vane - Analogue Output POM, PVDF, brass, stainless steel**

Model: DRH with AUF



Water: 0.2 - 0.8 l/min ... 2.5 - 50 l/min  
t<sub>max</sub> 80 °C; p<sub>max</sub> 100 bar  
Connection: G ¾, G 1, ¾" NPT, 1" NPT  
Accuracy: ± 2.5 % of full scale

**Rotating Vane - Pointer Indicator POM, PVDF, brass, stainless steel**

Model: DRH-...Z3



Water: 0.2 - 0.8 l/min ... 2.5 - 50 l/min  
t<sub>max</sub> 80 °C; p<sub>max</sub> 100 bar  
Connection: G ¾, G 1, ¾" NPT, 1" NPT  
Accuracy: ± 2.5 % of full scale

**Rotating Vane - Compact Electronics**

POM, PVDF, brass, stainless steel

Model: DRH-...C3



Water: 0.2 - 0.8 l/min ... 2.5 - 50 l/min  
t<sub>max</sub> 80 °C; p<sub>max</sub> 100 bar  
Connection: G ¾, G 1, ¾" NPT, 1" NPT  
Accuracy: ± 2.5 % of full scale

**Rotating Vane - Digital Display POM, PVDF, brass, stainless steel**

Model: DRH with ADI-1



Water: 0.2 - 0.8 l/min ... 2.5 - 50 l/min  
t<sub>max</sub> 80 °C; p<sub>max</sub> 100 bar  
Connection: G ¾, G 1, ¾" NPT, 1" NPT  
Accuracy: ± 2.5 % of full scale

**Rotating Vane - Counter POM, PVDF, brass, stainless steel**

Model: DRH with ZED



Water: 0.2 - 0.8 l/min ... 2.5 - 50 l/min  
t<sub>max</sub> 80 °C; p<sub>max</sub> 100 bar  
Connection: G ¾, G 1, ¾" NPT, 1" NPT  
Accuracy: ± 2.5 % of full scale

**Rotating Vane - Pulse Output Polypropylene, aluminium-bronze, stainless steel**

Model: DRG



Water: 0.5 - 12 l/min ... 10 - 140 l/min  
t<sub>max</sub> 80 °C; p<sub>max</sub> 40 bar  
Connection: G ½ ... 1, ½ ... 1" NPT  
Accuracy: ± 3 % of full scale





## Flowmeters/-switches

### Rotating Vane - Analogue Output

Polypropylene, aluminium-bronze, stainless steel

Model: DRG with AUF



Water: 0.5 - 12 l/min ... 10 - 140 l/min  
 $t_{max}$  80°C;  $p_{max}$  40 bar  
 Connection: G 1/8... 1, 1/8... 1" NPT  
 Accuracy:  $\pm$  3 % of full scale

### Rotating Vane - Pointer Indicator

Polypropylene, aluminium-bronze, stainless steel

Model: DRG-...Z3



Water: 0.5 - 12 l/min ... 10 - 140 l/min  
 $t_{max}$  80°C;  $p_{max}$  40 bar  
 Connection: G 1/8... 1, 1/8... 1" NPT  
 Accuracy:  $\pm$  3 % of full scale

### Rotating Vane - Compact Electronics

Polypropylene, aluminium-bronze, stainless steel

Model: DRG-...C3



Water: 0.5 - 12 l/min ... 10 - 140 l/min  
 $t_{max}$  80°C;  $p_{max}$  40 bar  
 Connection: G 1/8... 1, 1/8... 1" NPT  
 Accuracy:  $\pm$  3 % of full scale

### Rotating Vane - Digital Display

Polypropylene, aluminium-bronze, stainless steel

Model: DRG with ADI-1



Water: 0.5 - 12 l/min ... 10 - 140 l/min  
 $t_{max}$  80°C;  $p_{max}$  40 bar  
 Connection: G 1/8... 1, 1/8... 1" NPT  
 Accuracy:  $\pm$  3 % of full scale

### Rotating Vane - Dosing Electronics

Polypropylene, aluminium-bronze, stainless steel

Model: DRG with ZED



Water: 0.5 - 12 l/min ... 10 - 140 l/min  
 $t_{max}$  80°C;  $p_{max}$  40 bar  
 Connection: G 1/8... 1, 1/8... 1" NPT  
 Accuracy:  $\pm$  3 % of full scale

### Rotating Vane - Pulse Output

Brass

Model: DOW



Water: 1 - 70 l/min  
 $t_{max}$  90°C;  $p_{max}$  10 bar  
 Connection: G 3/4 male thread, 3/4" NPT  
 Accuracy:  $\pm$  1.5 % of reading

### Rotating Vane - Insertion Version

Stainless steel

Model: DOR



Water: 0.3 - 10 m/s  
 $t_{max}$  200°C;  $p_{max}$  80 bar  
 Connection: G 1 1/2, G 2, 1 1/2" NPT, 2" NPT  
 for tubes  $\varnothing$ 40 ... 2500 mm  
 Accuracy:  $\pm$  1.5 % (linearity)

### Dual-Ring Piston - Pendulum - Low Volume

Stainless steel

Model: LFM



Water: 0.005 - 0.25 l/min  
 $t_{max}$  70°C;  $p_{max}$  100 bar  
 Connection: G 1/8, Swagelok 6 mm  
 Accuracy:  $\pm$  2.5 % of reading

### Ring Piston Counter - Pulse Output

Brass

Model: DRZ...F



Viscosity range: 5 - 100 mm<sup>2</sup>/s  
 Oil: 6 - 420 l/h  
 $t_{max}$  80°C;  $p_{max}$  40 bar  
 Connection: G 1/8, G 1/4, 1/8" NPT, 1/4" NPT  
 Accuracy:  $\pm$  1 % of reading

### Ring Piston Counter - Analogue Output

Brass

Model: DRZ with AUF



Viscosity range: 5 - 100 mm<sup>2</sup>/s  
 Oil: 6 - 420 l/h  
 $t_{max}$  80°C;  $p_{max}$  40 bar  
 Connection: G 1/8, G 1/4, 1/8" NPT, 1/4" NPT  
 Accuracy:  $\pm$  1 % of reading

### Ring Piston Counter - Compact Electronics

Brass

Model: DRZ-...C3



Viscosity range: 5 - 100 mm<sup>2</sup>/s  
 Oil: 6 - 420 l/h  
 $t_{max}$  80°C;  $p_{max}$  40 bar  
 Connection: G 1/8, G 1/4, 1/8" NPT, 1/4" NPT  
 Accuracy:  $\pm$  1 % of reading

### Ring Piston Counter

Aluminium, stainless steel

Model: DRT

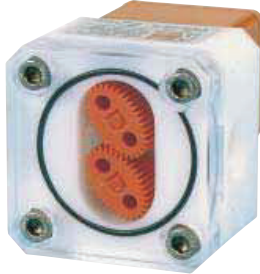


Viscosity range: up to 1 000 000 mPas  
 Oil: 10 - 500 l/h ... 700 - 20 000 l/h  
 $t_{max}$  150°C;  $p_{max}$  350 bar  
 Connection: G 1/2... 2, 1/2... 2" NPT, flange DN 15... 50, Tri-Clamp®  
 Accuracy:  $\pm$  0.5 - 1 % of reading



Flowmeters/-switches

**Oval Gear - Pulse Output**  
POM, aluminium  
Model: OVZ-...I4



Viscosity range: 10 - 800 mm<sup>2</sup>/s  
Oil: 0.3 - 8 l/min ... 1.6 - 40 l/min  
t<sub>max</sub> 80°C; p<sub>max</sub> 40 bar  
Connection: G ¼ ... ¾, ¼ ... ¾" NPT  
Accuracy: ± 2.5 % of full scale

**Oval Gear - Analogue Output**  
POM, aluminium  
Model: OVZ-...L4 with AUF



Viscosity range: 10 - 800 mm<sup>2</sup>/s  
Oil: 0.3 - 8 l/min ... 1.6 - 40 l/min  
t<sub>max</sub> 80°C; p<sub>max</sub> 40 bar  
Connection: G ¼ ... ¾, ¼ ... ¾" NPT  
Accuracy: ± 2.5 % of full scale

**Oval Gear - Pointer Indicator**  
POM, aluminium  
Model: OVZ-...Z3



Viscosity range: 10 - 800 mm<sup>2</sup>/s  
Oil: 0.3 - 8 l/min ... 1.6 - 40 l/min  
t<sub>max</sub> 80°C; p<sub>max</sub> 40 bar  
Connection: G ¼ ... ¾, ¼ ... ¾" NPT  
Accuracy: ± 2.5 % of full scale

**Oval Gear - Compact Electronics**  
POM, aluminium  
Model: OVZ-...C3



Viscosity range: 10 - 800 mm<sup>2</sup>/s  
Oil: 0.3 - 8 l/min ... 1.6 - 40 l/min  
t<sub>max</sub> 80°C; p<sub>max</sub> 40 bar  
Connection: G ¼ ... ¾, ¼ ... ¾" NPT  
Accuracy: ± 2.5 % of full scale

**Oval Gear - Dosing Electronics**  
POM, aluminium  
Model: OVZ with ZED



Viscosity range: 10 - 800 mm<sup>2</sup>/s  
Oil: 0.3 - 8 l/min ... 1.6 - 40 l/min  
t<sub>max</sub> 80°C; p<sub>max</sub> 40 bar  
Connection: G ¼ ... ¾, ¼ ... ¾" NPT  
Accuracy: ± 2.5 % of full scale

**Oval Gear - Counter - Pulse Output**  
Aluminium, stainless steel, cast iron  
Model: DOM-...F4



Viscosity range: 0 - 1 000 000 mPas  
Oil: 0.5 - 36 l/h ... 150 - 2 500 l/min  
t<sub>max</sub> 120°C; p<sub>max</sub> 400 bar  
Connection: G ½...4 female thread,  
flange DN 25...100, ANSI 1"...4"  
Accuracy: ± 0.2 - 1 % of reading

**Oval Gear - Counter - Pulse Output**  
Aluminium, stainless steel, cast iron  
Model: DOM-...LCD



Viscosity range: 0 - 1 000 000 mPas  
Oil: 0.5 - 36 l/h ... 150 - 2 500 l/min  
t<sub>max</sub> 120°C; p<sub>max</sub> 400 bar  
Connection: G ½...4 female thread,  
flange DN 25...100, ANSI 1"...4"  
Accuracy: ± 0.2 - 1 % of reading

**Oval Gear - Counter - Mechanical**  
Aluminium, stainless steel, cast iron  
Model: DOM-...mech



Viscosity range: 0 - 1 000 000 mPas  
Oil: 0.5 - 36 l/h ... 150 - 2 500 l/min  
t<sub>max</sub> 120°C; p<sub>max</sub> 400 bar  
Connection: G ½...4 female thread,  
flange DN 25...100, ANSI 1"...4"  
Accuracy: ± 0.2 - 1 % of reading

**Oval Gear With Air Eliminator**  
Aluminium, stainless steel, cast iron  
Model: DOM with ZAL



Viscosity range: 0 - 1 000 000 mPas  
Oil: 10 - 150 l/min ... 150 - 2 500 l/min  
t<sub>max</sub> 70°C; p<sub>max</sub> 10 bar  
Connection: flange ANSI 1"...4"  
Accuracy: ± 0.2 - 1 % of reading

**Dosing Unit - Rotating Vane**  
Brass  
Model: DOB



Water: 1 - 70 l/min  
t<sub>max</sub> 80°C; p<sub>max</sub> 10 bar  
Connection: G ¾ male thread,  
¾" NPT male thread  
Accuracy: ± 0.5 % of reading

**Dosing Unit - Mechanical**  
Aluminium, stainless steel, cast iron  
Model: DOL



Viscosity range: 0 - 1 000 000 mPas  
Oil: 0.5 - 36 l/h ... 150 - 2 500 l/min  
t<sub>max</sub> 120°C; p<sub>max</sub> 400 bar  
Connection: G ½...4 female thread  
Accuracy: ± 0.2 - 1 % of reading

**Dosing Unit - Oval Gear For Additives**  
Stainless steel  
Model: DOP



Water: 0.01 - 1 l/min ... 0.25 - 10 l/min  
t<sub>max</sub> 100°C; p<sub>max</sub> 20 bar  
Connection: ¾" NPT  
Accuracy: ± 0.5 % of reading



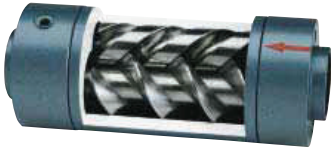


## Flowmeters/-switches

### Screw Spindle - Meter

Cast iron, stainless steel

Model: OMG



Viscosity range: 1 - 5000 mm<sup>2</sup>/s  
 Oil: 0.1 - 10 l/min ... 50 - 5000 l/min  
 t<sub>max</sub> 200 °C; p<sub>max</sub> 420 bar  
 Connection:  
 G ½...6 female thread, flange DN 15... 150  
 Accuracy: ± 0.3 % of reading

### Screw Spindle - Dosing Electronics

Cast iron, stainless steel

Model: OMG with ADI-1



Viscosity range: 1 - 5000 mm<sup>2</sup>/s  
 Oil: 0.1 - 10 l/min ... 50 - 5000 l/min  
 t<sub>max</sub> 200 °C; p<sub>max</sub> 420 bar  
 Connection:  
 G ½...6 female thread, flange DN 15... 150  
 Accuracy: ± 0.3 % of reading

### Screw Spindle - Counter

Cast iron, stainless steel

Model: OMG with ZED

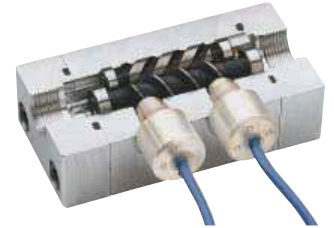


Viscosity range: 1 - 5000 mm<sup>2</sup>/s  
 Oil: 0.1 - 10 l/min ... 50 - 5000 l/min  
 t<sub>max</sub> 200 °C; p<sub>max</sub> 420 bar  
 Connection:  
 G ½...6 female thread, flange DN 15... 150  
 Accuracy: ± 0.3 % of reading

### Screw Spindle - Meter

Aluminium

Model: OME



Viscosity range: 1 - 5000 mm<sup>2</sup>/s  
 Oil: 0.2 - 10 l/min ... 2 - 100 l/min  
 t<sub>max</sub> 100 °C; p<sub>max</sub> 40 bar  
 Connection:  
 G ½...1 female thread, flange DN 15...25  
 Accuracy: ± 0.3 % of reading

### Screw Spindle - Dosing Electronics

Aluminium

Model: OME with ADI-1



Viscosity range: 1 - 5000 mm<sup>2</sup>/s  
 Oil: 0.2 - 10 l/min ... 2 - 100 l/min  
 t<sub>max</sub> 100 °C; p<sub>max</sub> 40 bar  
 Connection:  
 G ½...1 female, flange DN 15...25  
 Accuracy: ± 0.3 % of reading

### Screw Spindle - Counter

Aluminium

Model: OME with ZED



Viscosity range: 1 - 5000 mm<sup>2</sup>/s  
 Oil: 0.2 - 10 l/min ... 2 - 100 l/min  
 t<sub>max</sub> 100 °C; p<sub>max</sub> 40 bar  
 Connection:  
 G ½...1 female, flange DN 15... 25  
 Accuracy: ± 0.3 % of reading

### Gear Wheel - Meter

Cast iron, stainless steel

Model: DZR



Viscosity range: 20 - 5000 mm<sup>2</sup>/s  
 Oil: 0.008 - 2 l/min ... 3 - 700 l/min  
 t<sub>max</sub> 150 °C; p<sub>max</sub> 400 bar  
 Connection: G ¾...1 female thread  
 Accuracy: ± 0.3 - 1 % of reading

### Gear Wheel - Dosing Electronics

Cast iron, stainless steel

Model: DZR with ADI-1



Viscosity range: 20 - 5000 mm<sup>2</sup>/s  
 Oil: 0.008 - 2 l/min ... 3 - 700 l/min  
 t<sub>max</sub> 150 °C; p<sub>max</sub> 400 bar  
 Connection: G ¾...1 female thread  
 Accuracy: ± 0.3 - 1 % of reading

### Gear Wheel - Counter

Cast iron, stainless steel

Model: DZR with ZED



Viscosity range: 20 - 5000 mm<sup>2</sup>/s  
 Oil: 0.008 - 2 l/min ... 3 - 700 l/min  
 t<sub>max</sub> 150 °C; p<sub>max</sub> 400 bar  
 Connection: G ¾...1 female thread  
 Accuracy: ± 0.3 - 1 % of reading

### Gear Wheel - Meter

Aluminium

Model: KZA



Viscosity range: 20 - 4000 mm<sup>2</sup>/s  
 Oil: 0.02 - 4 l/min ... 1 - 200 l/min  
 t<sub>max</sub> 80 °C; p<sub>max</sub> 160 bar  
 Connection: G ¼...1 female thread  
 Accuracy: ± 0.3 - 3 % of reading

### Gear Wheel - Dosing Electronics

Aluminium

Model: KZA with ADI-1



Viscosity range: 20 - 4000 mm<sup>2</sup>/s  
 Oil: 0.02 - 4 l/min ... 1 - 200 l/min  
 t<sub>max</sub> 80 °C; p<sub>max</sub> 160 bar  
 Connection: G ¼...1 female thread  
 Accuracy: ± 0.3 - 3 % of reading

### Gear Wheel - Counter

Aluminium

Model: KZA with ZED



Viscosity range: 20 - 4000 mm<sup>2</sup>/s  
 Oil: 0.02 - 4 l/min ... 1 - 200 l/min  
 t<sub>max</sub> 80 °C; p<sub>max</sub> 160 bar  
 Connection: G ¼...1 female thread  
 Accuracy: ± 0.3 - 3 % of reading