

Turbine and Impeller Flow Meters

Type	Measuring principle	Flow rate	Measuring accuracy	Repeatability	Operating temperature	Compressive strength	Material housing	Material turbine/impeller	Viscosity	Electrical output	Special features
G2	Turbine	3.7 - 760 l/min	±0.75% - ±2.0% of reading	±0.1 - ±0.3%	-40 - +121°C	6.9 - 207 bar	316 stainless steel aluminum brass PVDF	PVDF	<100 cSt		Particularly suitable for food and thin oils. Power supply via lithium battery.
TM	Turbine	3.8 - 2271 l/min	±3.0% of reading		0 - +60°C	9.1 bar	PVC	PVDF		pulse output Open Collector (NPN)	For large flow rates. Power supply via lithium battery.
DW-FS	Impeller	2.5 - 580 l/min	±2% of final value		-40 - +100°C	20 bar	stainless steel (1.4571)	POM		4-20mA calibratable 0 - 10 V	Universally applicable.
HAL	Impeller	2.5 - 580 l/min	±2% of final value		-40 - +100°C	25 bar	stainless steel	POM		4-20 mA	Inexpensive.
HAL-A	Impeller	0.3 - 5 m/s	±2% of final value		-40 - +100°C	25 bar	stainless steel	POM		4-20 mA	Inexpensive. For large flow rates.
FHKU	Impeller	0.041 - 15 l/min	±2% of reading	<±0.25%	0 - +60°C	10 bar	PBT 35%GF (Arnite)	PVDF			Timing and data storage. For small flow rates. Power supply via lithium battery.
Vision	Turbine	0.5 - 35 l/min	±3% of reading	<0.5%	-20 - +100°C	25 bar	Grilamid TR55 (PA12)	Grilamid (PA12 Ferrit)	up to approx. 15 cSt	pulses through open collector NPN	Suitable for fuels.
DF 04	Impeller	2 - 1000 l/min	±1% of reading	<0.5% of reading	0 - +85°C	10 bar	ECTFE PP Al 2O3 FKM	PP	0.5 – 20 cST		Inexpensive. For large flow rates.