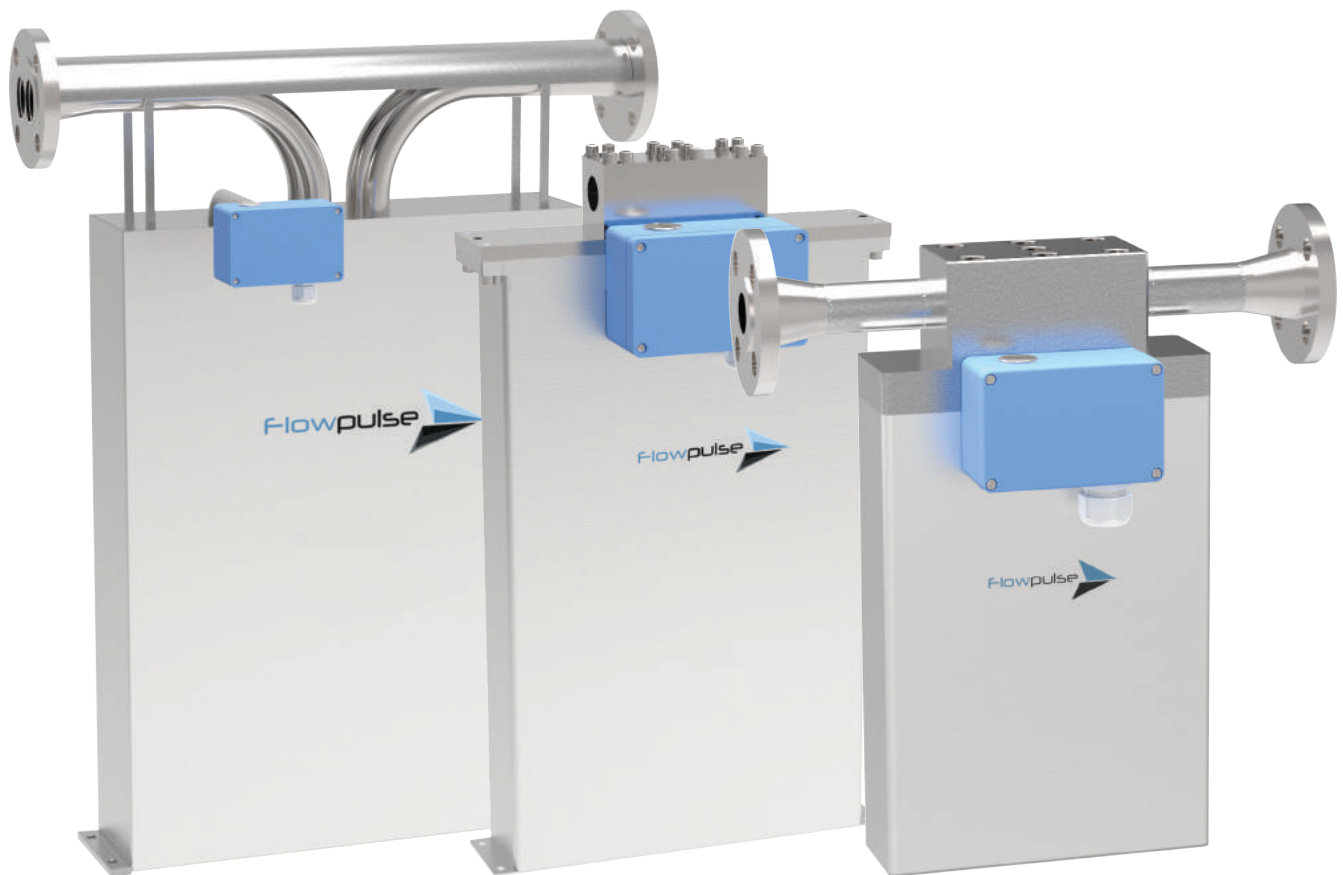


FUEL CONSUMPTION

MASS FLOW METERS



FEATURES

- Reliable and highly accurate mass flow measurement
- No up/down straight pipe sections required
- Real time density measurement checks fuel quality
- Replaces less reliable volume based flow meters
- Small pipeline footprint
- Maintenance free
- Insensitive to fuel type – Mass reading is always correct
- No moving parts
- Highly repeatable – Perfect for engine optimization

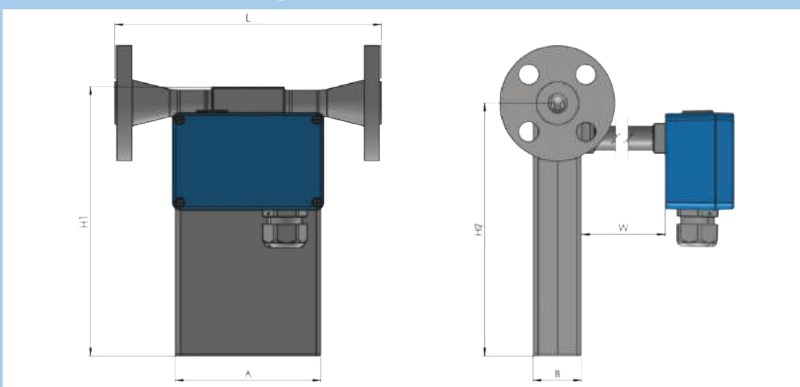
TECHNICAL DATA

Measuring System	
Measuring Principle	Coriolis Mass Flow Meter
Application Range	Mass flow, volume flow and density measurement of liquid
Measured Values	Mass, volume, density, temperature
Accuracy	
Mass (Max)	±0.1% of flow rate
Volume (Max)	±0.15% of flow rate
Repeatability	±0.05% of flow rate
Density	±1.0 kg/m ³ , ±0.001 g/cm ³
Temperature	Better than ±1°C
Zero Stability	±0.01% of full scale

Design / Construction	
Features	Fully welded maintenance free sensor in stainless steel
Options	Available as integrated version or remote version

Operating Conditions																	
Ambient Temp.	-20...+60°C																
Max. Medium Temp.	210°C																
Maximum Flow Rates (All instruments offered will be sized based on flow/process calculations)	Max. flow calculation examples (1 bar pressure drop @ viscosity 15 cSt and density 920 kg/m ³) <table border="1" style="display: inline-table; margin-left: 20px;"> <tr> <td>FP300</td> <td>45 kg/h</td> <td>FP6000</td> <td>3750 kg/h</td> </tr> <tr> <td>FP600</td> <td>150 kg/h</td> <td>FP12MT</td> <td>7470 kg/h</td> </tr> <tr> <td>FP1200</td> <td>520 kg/h</td> <td>FP18MT</td> <td>14350 kg/h</td> </tr> <tr> <td>FP3000</td> <td>1500 kg/h</td> <td></td> <td></td> </tr> </table>	FP300	45 kg/h	FP6000	3750 kg/h	FP600	150 kg/h	FP12MT	7470 kg/h	FP1200	520 kg/h	FP18MT	14350 kg/h	FP3000	1500 kg/h		
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FP600	150 kg/h	FP12MT	7470 kg/h														
FP1200	520 kg/h	FP18MT	14350 kg/h														
FP3000	1500 kg/h																

Dimensions and Weight



Sensors	Dimensions (mm)						Weight
	A	B	H1	H2	L	W	
FP300/600	120	40	222	208	220	2	3.5 kg
FP1200/3000	180	60	234	255	260	0	8 kg
FP6000/12MT	300	70	454	481	400	0	16 kg
FP18MT	300	70	454	486	460	0	23 kg

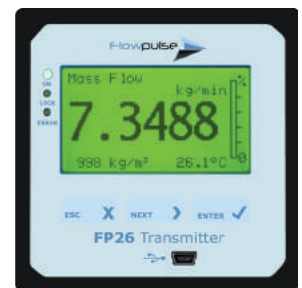
Integrated Transmitter Electronics

FP16
Compact transmitter, Modbus, analog and digital outputs, 24 VDC, 3 W ATEX Zone 2



Remote Transmitter Electronics

FP26
Rack/panel mount transmitter, Modbus interface, analog/digital outputs and inputs, 24 VDC, 3 W ATEX/IEC Zone 1



FP27
Rack/panel mount transmitter, Modbus interface, analog/digital outputs and inputs, 24 VDC, 250 VAC ATEX/IEC Zone 1



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