

FP18X

Coriolis Mass Flow Meter for High Flow Terminal and Pipeline Applications

FEATURES

- Standard Pressure ratings up to 50bar (725 psi)
- Temperature ratings from -196 to 120°C (-320 to 248°F)
- Mass flow uncertainty down to 0.15%
- Density uncertainty down to 0.5%
- Repeatability better than 0.05%
- Typical measuring ranges between 750 and 30000 kg/min
- Accurately measure low flow rates down to 600 kg/min
- Unique robust torsion driven oscillation system
- Approved for use in hazardous areas
- Stainless steel case
- Remote and compact transmitter versions available



TRANSMITTER RANGE



All flowpulse mass flow transmitter models can be combined with the FP18XT sensor to provide an overall mass flow measurement system to suit any requirement. Flowpulse Coriolis transmitters are designed for process, industrial and OEM applications. Together, they offer a tremendous range of options for system designers and end users alike.

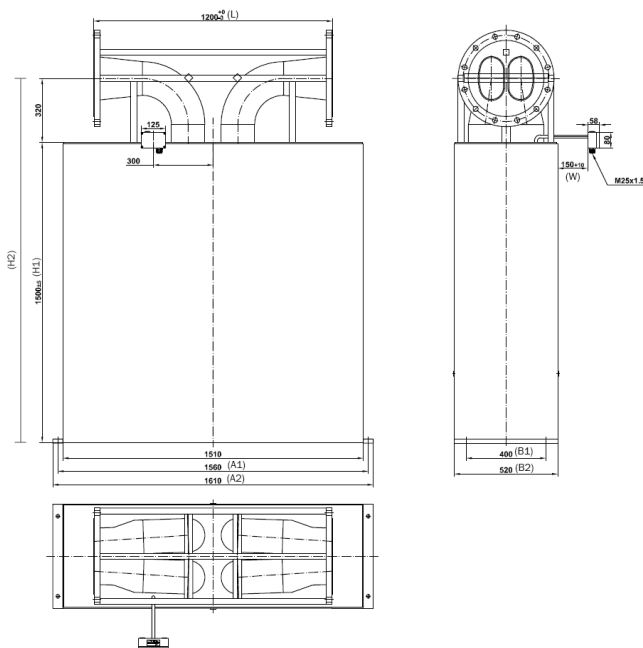
GENERAL SPECIFICATIONS

Nominal Max Flow Range	30000 kg/min (66139 lb/min)
Density Range	5 to 5000 kg/m ³ (0.31 to 312 lb/ft ³)
Basic Accuracy	0.2% uncertainty at 30000* kg/min (66139 lb/min)
Mass Flow Measurement Repeatability	± 0.05% of rate
Temperature Range	-20 °C to +120 °C (-4 to +248 °F)
Pressure Ratings	30 bar (435 psi) at 120 °C (248 °F)
Electrical Connection	Cable entry M25 x 1.5 (standard) M20 x 1.5, ½" NPT, ¾" NPT (optional) Max cable length to remote transmitter 30m (98 ft) 100m (330ft) with optional high performance cable
Sensor Housing Materials	1.4301 / 304 stainless steel (standard), 1.4571 / 316Ti stainless steel (optional) Epoxy coated aluminium electrical box (standard), 1.4571 / 316Ti stainless steel (optional)
Enclosure Type	Protection Class IP 65. Optional IP 66 / NEMA 4X

*Calibration at factory only up to 11,000 kg/min

PROCESS CONNECTIONS & DIMENSIONS

PFO: Seal-less parallel measuring tube construction with flange connections



Process Connection	Face to face length (L)	
	mm	in
ANSI 10" 300# RF	900	35.43
ANSI 12" 1500# RF	1200	47.24
ANSI 12" 300# RF	1200	47.24
DIN DN300/PN40	1200	47.24

Size	L (in)	A1 (in)	A2 (in)	B1 (in)	B2 (in)	H1 (in)	H2 (in)	W (in)
FP18XT	35.43	NA	41.97	NA	15.87	59.21	69.88	5.91