

TURBINE METER SERIES FMT-L

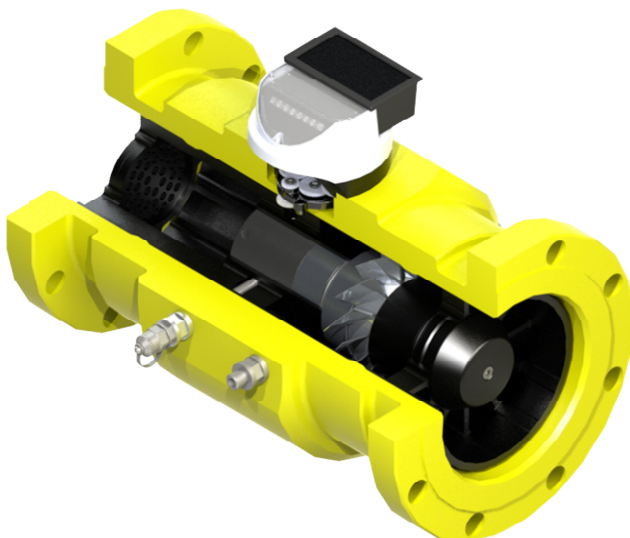


- ✓ DN80 – DN300 (3" - 12")
- ✓ PN16 – PN100, ANSI150 – ANSI600
- ✓ 8 – 6500 m³/h (300 – 230,000 acfh)

- ✓ OIML, MID, PED, ATEX APPROVED
- ✓ FOR CUSTODY TRANSFER
- ✓ EXCHANGEABLE CARTRIDGE

The FMT-L series turbine meters are designed to perform on the highest level of accuracy. The 3 x D aluminum cartridge with integrated straightening vanes guarantees a high level of accuracy, even under sever flow conditions. The cartridge can be pre-calibrated, under both low and high pressure conditions, then exchanged on-site.

OPTIONS: ENCODER / INTEGRATED THERMO WELLS / HIGH AND LOW FREQUENCY OUTPUTS / OILPUMP / TOTALLY SEALED / MAGNETIC FIELD PROTECTION





Technical Data	imperial metric	T6 G100	T9 G160	T18 G250	T9 G160	T18 G250	T27 G400	T27 G400	T35 G650	T60 G1000
Nominal Pipe Size	in. mm	3 80	3 80	3 80	4 100	4 100	4 100	6 150	6 150	6 150
Base Rating (Qmax)	acfh m³/h	6000 160	9000 250	18000 400	9000 250	18000 400	27000 650	27000 650	35000 1000	60000 1600
Rangeability atmospheric air	ratio	20	20	20	20	20	20	20	20	20
Rangeability >8 bar nat. gas	ratio	30	30	30	30	30	30	30	30	30
Rangeability >16 bar nat. gas	ratio	50	50	50	50	50	50	50	50	50
Accuracy Qmin to 20% Qmax	%	better than 2% (typical better than 1%)								
Accuracy 20% Qmax to Qmax	%	better than 1% (typical better than 0,5%)								
Repeatability	%	better than 0,1%								
Temperature Range	deg.F deg.C	aluminum -13 to +131, Steel +14 to + 131 (-13 to +131 on request) aluminum -25 to +55, Steel -10 to + 55 (-25 to +55 on request)								
Average Differential @ 100% Flow nat. gas 1barg	in. w.c. kPa	1,2 300	2,4 600	3,9 1000	1,2 300	2,0 500	3,5 900	1,2 300	2,0 500	3,5 900
Drive Rate Index	cf/rev m³/rev	10 1	10 1	10 1	100 1	100 1	100 1	100 1	100 1	100 1 or 10
Flange-to-Flange	in. mm	9-7/16 240	9-7/16 240	9-7/16 240	11-13/16 300	11-13/16 300	11-13/16 300	17-3/4 450	17-3/4 450	17-3/4 450
Flange Connection	ANSI DIN	150#FF (aluminum), 150#RF, 300#RF, 600#RF PN16 (aluminum), PN16, PN25, PN40, PN64, PN100								
Net Weight Aluminum	lbs. kg	35 16	35 16	35 16	46 21	46 21	46 21	77 35	77 35	77 35
Net Weight Steel	lbs. kg	48 22	48 22	48 22	68 31	68 31	68 31	110 50	110 50	110 50
Net Weight Steel	lbs. kg	73 33	73 33	73 33	108 49	108 49	108 49	176 80	176 80	176 80
Net Weight Steel	lbs. kg	77 35	77 35	77 35	117 53	117 53	117 53	198 90	198 90	198 90

Technical Data	imperial metric	T35 G650	T60 G1000	T90 G1600	T60 G1000	T90 G1600	T140 G2500	T90 G1600	T140 G2500	T230 G4000
Nominal Pipe Size	in. mm	8 200	8 200	8 200	10 250	10 250	10 250	12 300	12 300	12 300
Base Rating (Qmax)	acfh m³/h	35000 1000	60000 1600	90000 2500	60000 1600	90000 2500	140000 4000	90000 2500	140000 4000	230000 6500
Rangeability atmospheric air	ratio	20	20	20	20	20	20	20	20	20
Rangeability >8 bar nat. gas	ratio	30	30	30	30	30	30	30	30	30
Rangeability >16 bar nat. gas	ratio	50	50	50	50	50	50	50	50	50
Accuracy Qmin to 20% Qmax	%	better than 2% (typical better than 1%)								
Accuracy 20% Qmax to Qmax	%	better than 1% (typical better than 0,5%)								
Repeatability	%	better than 0,1%								
Temperature Range	deg.F deg.C	+14 to + 131 (-13 to +131 on request) -10 to + 55 (-25 to +55 on request)								
Average Differential @ 100% Flow nat. gas 1barg	in. w.c. kPa	1,2 300	2,4 600	3,9 1000	1,2 300	2,6 650	4,3 1100	1,2 300	2,6 650	4,3 1100
Drive Rate Index	cf/rev m³/rev	100 1 or 10	100 10	1000 10	1000 10	1000 10	1000 10	1000 10	1000 10	1000 10
Flange-to-Flange	in. mm	23-5/8 600	23-5/8 600	23-5/8 600	29-1/2 750	29-1/2 750	29-1/2 750	35-7/16 900	35-7/16 900	35-7/16 900
Flange Connection	ANSI DIN	150#RF, 300#RF, 600#RF PN16, PN25, PN40, PN64, PN100								
Net Weight Steel	lbs. kg	176 80	176 80	176 80	304 138	304 138	304 138	458 208	458 208	458 208
Net Weight Steel	lbs. kg	233 106	233 106	233 106	385 175	385 175	385 175	565 257	565 257	565 257
Net Weight Steel	lbs. kg	304 138	304 138	304 138	497 226	497 226	497 226	695 316	695 316	695 316