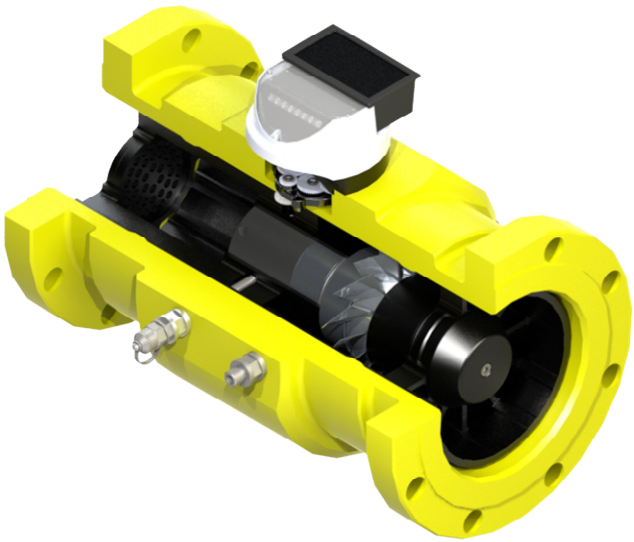
TURBINE METER SERIES FMT-L

- ✓DN80 – DN300 (3” - 12”)
- ✓PN16 – PN100, ANSI150 – ANSI600
- ✓8 – 6500 m^3/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	T6	T9	T18	T9	T18	T27	T27	T35	T60
	metric	G100	G160	G250	G160	G250	G400	G400	G650	G1000
Nominal Pipe Size	in.	3	3	3	4	4	4	6	6	6
	mm	80	80	80	100	100	100	150	150	150
Base Rating (Qmax)	acfh	6000	9000	18000	9000	18000	27000	27000	35000	60000
	m^3/h	160	250	400	250	400	650	650	1000	1600
Rangeability atmopheric 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	aluminum -13 to +131, Steel +14 to + 131 (-13 to +131 on request)								
	deg.C	aluminum -25 to +55, Steel -10 to + 55 (-25 to +55 on request)								
Average Differential @	in. w.c.	1,2	2,4	3,9	1,2	2,0	3,5	1,2	2,0	3,5
100% Flow nat. gas 1barg	kPa	300	600	1000	300	500	900	300	500	900
Drive Rate Index	cf/rev	10	10	10	100	100	100	100	100	100
	m^3/rev	1	1	1	1	1	1	1	1	1 or 10
Flange-to-Flange	in.	9-7/16	9-7/16	9-7/16	11-13/16	11-13/16	11-13/16	17-3/4	17-3/4	17-3/4
	mm	240	240	240	300	300	300	450	450	450
Flange Connection	ANSI	150#FF (aluminum), 150#RF, 300#RF,600#RF								
	DIN	PN16 (aluminum), PN16, PN25, PN40, PN64, PN100								
Net Weight Aluminum	lbs.	35	35	35	46	46	46	77	77	77
	kg	16	16	16	21	21	21	35	35	35
Net Weight Steel	lbs.	48	48	48	68	68	68	110	110	110
ANSI150, PN16	kg	22	22	22	31	31	31	50	50	50
Net Weight Steel	lbs.	73	73	73	108	108	108	176	176	176
ANSI300, PN25/40	kg	33	33	33	49	49	49	80	80	80
Net Weight Steel	lbs.	77	77	77	117	117	117	198	198	198
ANSI600, PN64/100	kg	35	35	35	53	53	53	90	90	90

Technical Data	imperial	T35	T60	T90	T60	T90	T140	T90	T140	T230
	metric	G650	G1000	G1600	G1000	G1600	G2500	G1600	G2500	G4000
Nominal Pipe Size	in.	8	8	8	10	10	10	12	12	12
	mm	200	200	200	250	250	250	300	300	300
Base Rating (Qmax)	acfh	35000	60000	90000	60000	90000	140000	90000	140000	230000
	m^3/h	1000	1600	2500	1600	2500	4000	2500	4000	6500
Rangeability atmopheric 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	+14 to + 131 (-13 to +131 on request)								
	deg.C	-10 to + 55 (-25 to +55 on request)								
Average Differential @	in. w.c.	1,2	2,4	3,9	1,2	2,6	4,3	1,2	2,6	4,3
100% Flow nat. gas 1barg	kPa	300	600	1000	300	650	1100	300	650	1100
Drive Rate Index	cf/rev	100	100	1000	1000	1000	1000	1000	1000	1000
	m^3/rev	1 or 10	10	10	10	10	10	10	10	10
Flange-to-Flange	in.	23-5/8	23-5/8	23-5/8	29-1/2	29-1/2	29-1/2	35-7/16	35-7/16	35-7/16
	mm	600	600	600	750	750	750	900	900	900
Flange Connection	ANSI	150#RF, 300#RF,600#RF								
	DIN	PN16, PN25, PN40, PN64, PN100								
Net Weight Steel	lbs.	176	176	176	304	304	304	458	458	458
ANSI150, PN16	kg	80	80	80	138	138	138	208	208	208
Net Weight Steel	lbs.	233	233	233	385	385	385	565	565	565
ANSI300, PN25/40	kg	106	106	106	175	175	175	257	257	257
Net Weight Steel	lbs.	304	304	304	497	497	497	695	695	695
ANSI600, PN64/100	kg	138	138	138	226	226	226	316	316	316

 FMT-L FEN001 rev.3

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