



Pietro Fiorentini S.p.A.
Via Enrico Fermi 8/10
36057 - Arcugnano (VI) - Italy

www.fiorentini.com

Revision 07 : December 2019

Technical Specifications Turbine gas meter, series Type-C, IM-TM-Q

Applications:	Natural gas / Argon / Butane / Ethane Nitrogen / Carbon dioxide / Carbon monoxide Air / Methane / Pentane / Propane	
Meter body:	strength calculation - according RTOD & EN 13445 material - Cast aluminum flange connection - according to ASME B16.5/EN1092 raised faced Pressure rating & mounting - see table below surface treatment - hard anodized installation length (L) - see table below design pressure - 20 bar design temperature range - -25° / +65° C max. operating pressure - according flange classification, see below table operating temp. range - -25° / +65° C	
Feature:	flow direction - Horizontal/Vertical pressure point - Standard EO6 pipe-port - On request ¼ NPT plugged temperature measuring point - <u>Pocket for 6mm sensor</u> (2 pocket if No HF on Shaft, 1x pocket if HF on Shaft required) Lubrication system - Standard: manual Oil-Pump high frequency sensor - Optional HF ONLY on Main Shaft	
Index:	low frequency sensor - Standard: 8 digit index , on request Optical Encoder Index reading - 2x low frequency NO reed contact & 1 x anti fraude NC reed contact cubic meters [m ³]	
Calibration:	authority - Standard QA calibration rangeability - determined by approval & technical Qmin. See table below accuracy - $Q_{min} \leq Q < Q_t \pm 2\%$ & $Q_t \leq Q \leq Q_{max} \pm 1\%$ (Q_t according to EN12261) repeatability - 0.2% or better	
Approvals:	Compliant with part of EN12261 ATEX Compliant with 2014/34/EU - Receipt TUV n° 0206120 PED Compliant with 2014/68/EU - Lloyd's register Certificate 0038/PED/MLN PRJ11090550/02/01	
Documents:	declaration of conformity, manual , calibrations certificate, installation instructions	
Options:	on request	

Available Size:							Mounting Bolts		
Rating	Qmax.	Qmin.	Size	LF pulses	Length	Weight			
range	m ³ /h	m ³ /h	metric (inch)	Imp. /m ³	mm	Kg	PN10	PN16	ANSI 125-150
G40	65	13	50 (2")	10	150	5,5	4 x M16	4 x M16	4 x 5/8 UNC
G65	100	10		10					
G100	160	16		1					
G100	160	8	80 (3")	1	120	6,8	8 x M16	8 x M16	4 x 5/8 UNC
G160	250	13		1					
G250	400	20		1					
G400	650	32		1					
G160	250	13	100 (4")	1	150	8,2	8 x M16	8 x M16	8 x 5/8 UNC
G250	400	20		1					
G400	650	32		1					
G650	1000	50		1					

Note:



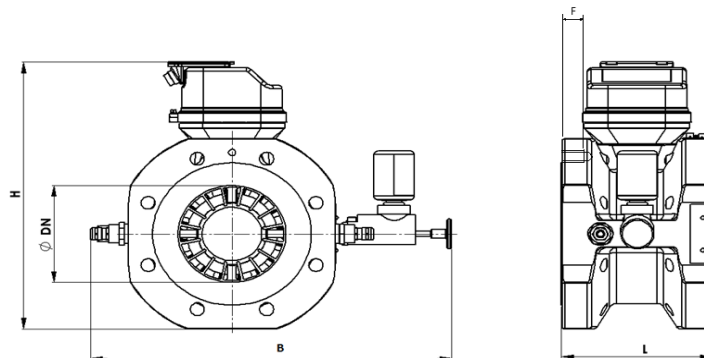
Pietro Fiorentini S.p.A.
Via Enrico Fermi 8/10
36057 - Arcugnano (VI) - Italy

www.fiorentini.com

Revision 07 : December 2019

Technical Specifications
Turbine gas meter, series Type-C, IM-TM-Q

This drawing lists main dimensions of IMTM-Q meter housing made of aluminum PN16 or ANSI150 type only.
According to customer requests, B and/or H dimension(s) may change (example, when cryogenic long neck, HF shaft/wheel, and/or high pressure oil pump are used).



Aluminum body PN16 & ANSI150

Size	DN	L ± 5 mm [mm]	B ± 10 mm [mm]	H ± 10 mm [mm]	F min [mm]
50 mm (2")	50	150	307	240	35
80 mm (3")	80	120	330	270	40
100 mm (4")	100	150	360	300	40