

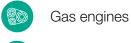
IM-RM

IM-RM rotary meters are used in gas distribution systems, compressor stations, and end users such as chemical and processing plants. Rotary meters are used in the measurement of a variety of filtered and dry non-corrosive gases, including specialty gases. Pietro Fiorentini rotary meters are approved for custody transfer applications and used by natural gas transmission and gas distribution companies. Some sizes of meters are available in the HTR version according to EN12480 - Annex C.





City Gates



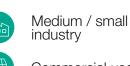
Regasification



Power generation



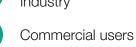
District stations





Gas reverse-flow

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Biomethane production

Heavy i	ndustry
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Features	Values		
Flow rates*	from 0.5 m³/h to 1000 m³/h from 17.6 cfh to 35314 cfh		
Design pressure*	up to 2.5 MPa up to 25 barg		
Ambient temperature*	from -25 °C to +55 °C from -13 °F to 131 °F		
Gas temperature range*	from -25 °C to +55 °C from -13 °F to 131 °F		
Accuracy	Qmin $\leq Q < Qt \pm 2\%$ & Qt $\leq Q \leq Qmax \pm 1\%$ (Qt according to EN12480)		
Rangeability	up to 1:250		
Repeatability	better than 0.1%		
Index Protection	IP 67		
Applicable metrology standards	MID 2014/32/EU		
Index & pulse out	 8 digits 2x low frequency pulse out (NO reed contact) 1x anti fraude out (NC reed contact) 		
Hazardous area certification	ATEX II 2 G Ex h IIB T6 Gb		
Accessories	 optical encoder index high frequency sensors by-pass valve on Twin versions 		
Nominal dimensions DN	from DN 40 to DN 150		
Connections*	ANSI 150 according to ASME B16.5 or PN 16/25 according to EN 1092-1		
(*) REMARK: Different functional features and/or extended temperature ranges available on request. Stated temperature ranges are the maximum for which the equipment's full performance, including accuracy, are			

fulfilled. Standard product may have a narrower range.

Table 1 Features



Materials and Approvals

Part	Material
Body	hard anodized aluminium alloy or spheroidal graphite cast iron
Rotor	aluminium alloy
Shaft & Bearings	stainless steel
Index enclosure	UV resistant polycarbonate case suitable for outdoor installation

REMARK: The materials indicated above refer to the standard models. Different materials can be provided according to specific needs.

Table 2 Materials

IM-RM rotary meters is designed to meet EN 12480 requirements & OIML R137 1&2 :2012.



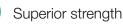
The product is certified according to European Directive 2014/68/EU (PED), 2014/32/EU (MID), 2014/34/EU (ATEX).



IM-RM competitive advantages



High rangeability



Simplified maintenance and repair



Compact size and lower weight

Biomethane compatible and 25% Hydrogen blending compatible. Higher blending available on request**

(**) for alluminiun body



Decreased susceptibility to damage

High performance rotor profile

Low pressure drop

Multi-functional Index

from pressure shocks