



mod. **MAG-C**



Electromagnetic flowmeter

The electro-magnetic flow meter model MAG-C has been engineered so to measure the flow and the volume of any liquid that is electrically conductor.

The very new management system of the signal generated by the electrodes allows a very accurate measurements in a very vast flows field.

Those flow meters do not have any mechanical moving component, and therefore the liquid do not have any obstacle in its flowing, thus avoiding any damage caused by solids that can be in the liquid.

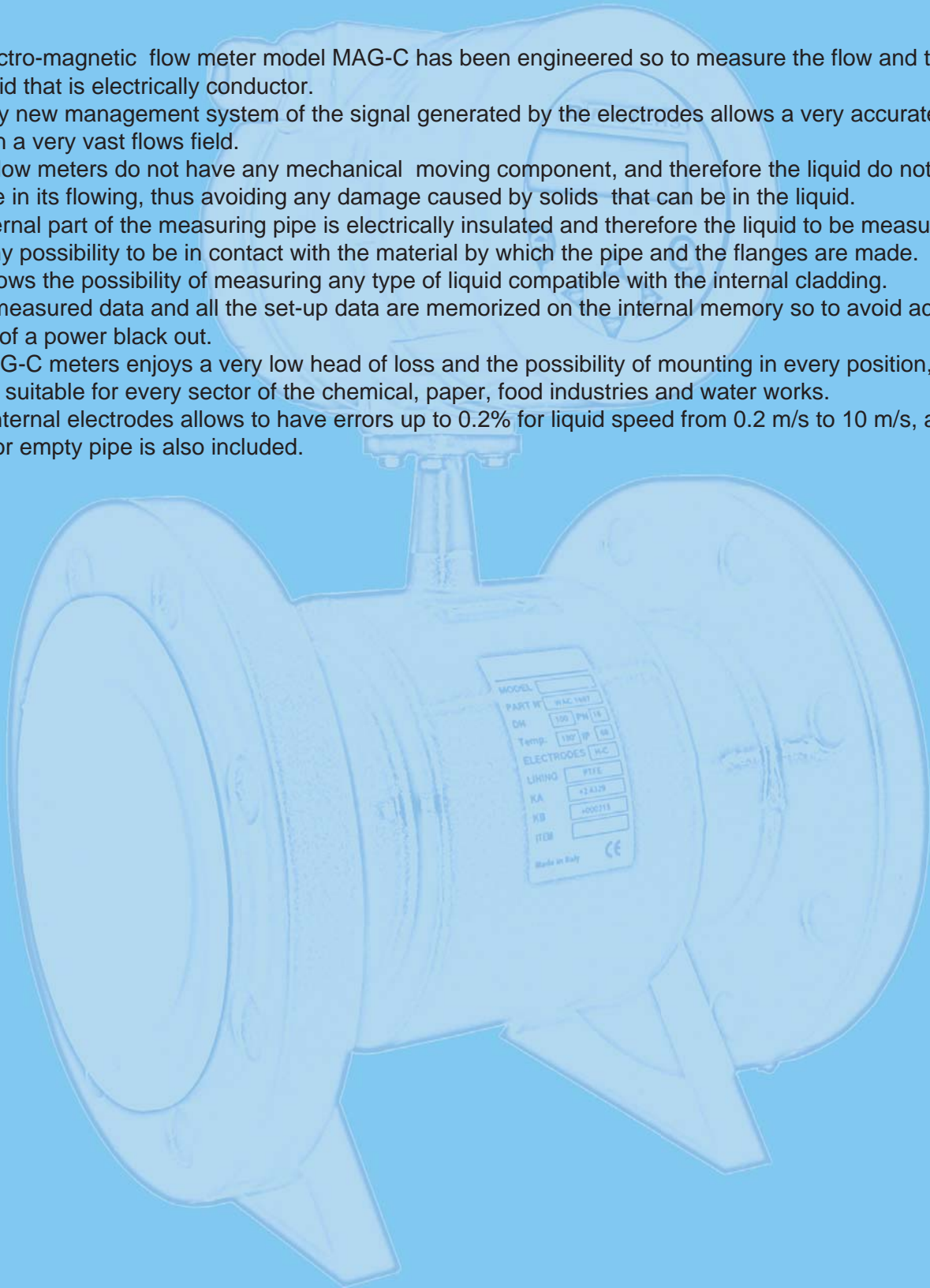
The internal part of the measuring pipe is electrically insulated and therefore the liquid to be measured does not have any possibility to be in contact with the material by which the pipe and the flanges are made.

That allows the possibility of measuring any type of liquid compatible with the internal cladding.

All the measured data and all the set-up data are memorized on the internal memory so to avoid accidental loss in case of a power black out.

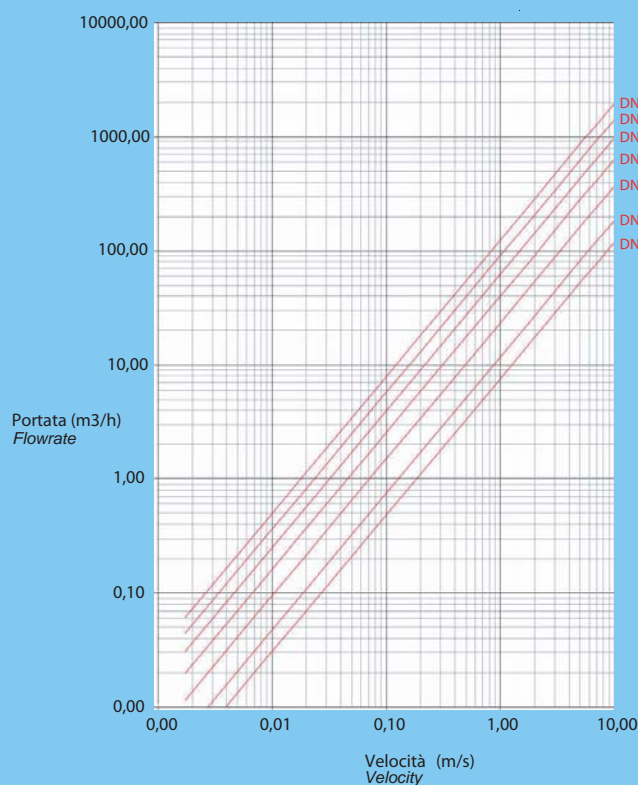
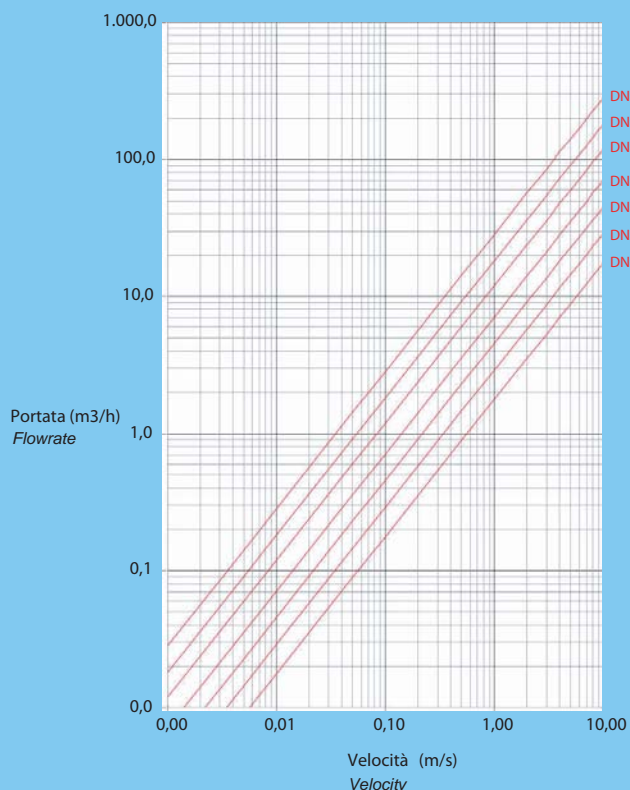
The MAG-C meters enjoys a very low head of loss and the possibility of mounting in every position, and therefore are suitable for every sector of the chemical, paper, food industries and water works.

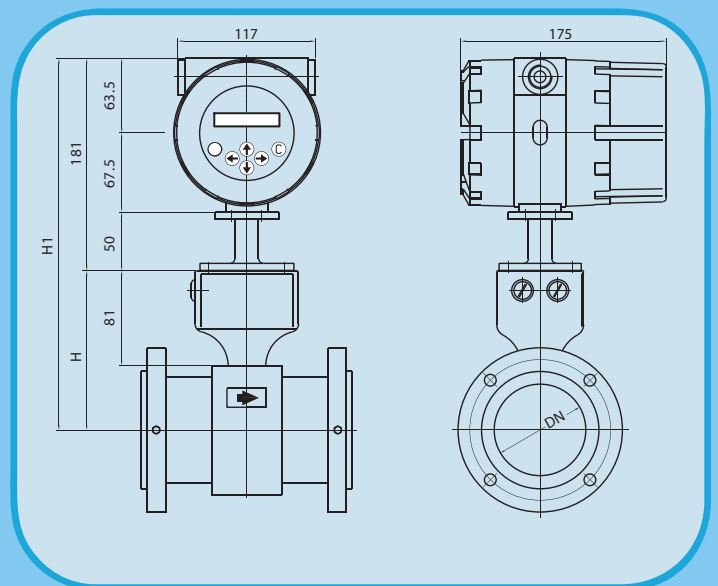
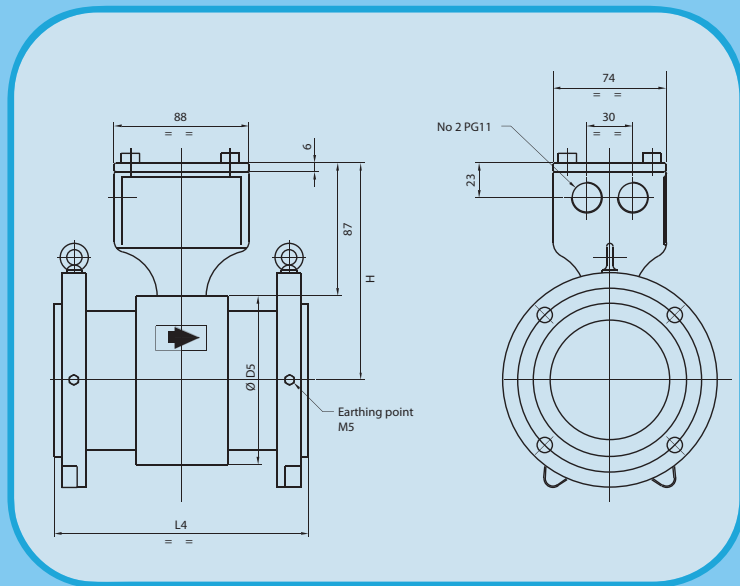
The 3 internal electrodes allows to have errors up to 0.2% for liquid speed from 0.2 m/s to 10 m/s, and an alarm signal for empty pipe is also included.



DATI TECNICI - Technical data

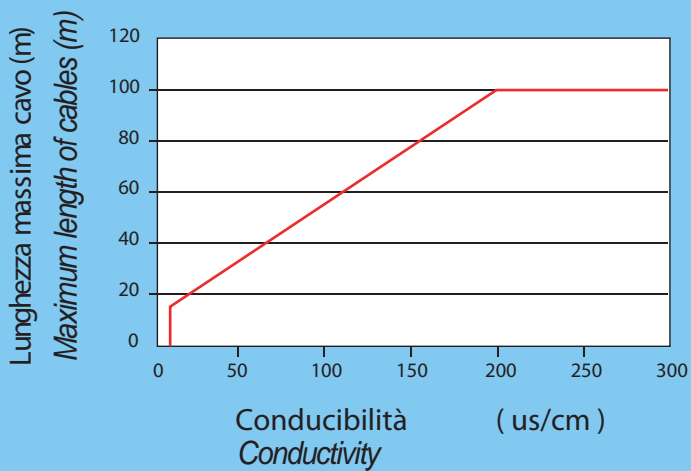
Diametri disponibili <i>Available diameters</i>	25	32	40	50	65	80	100	125	150	200	250	300	350	400
	1"	1.1/4"	1.1/2"	2"	2.1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"
Attacchi flangiati standard <i>Standard flanged connections</i>	UNI 2223													
Pressione di esercizio standard <i>Standard operation pressure</i>	PN 16 (16bar) (PN25 - PN40 su richiesta) PN 16 (16bar) (PN25 - PN40 on request)													
Attacchi flangiati a richiesta <i>Flanged connections on request</i>	ANSI 150	ANSI 300	DIN 2501	BS45404	AWWA	ISO 7005	KS	su richiesta on request						
Errore massimo di lettura portata <i>Max error ready flow rate</i>	0.2%													
Max vel. liquido <i>Max liquid speed</i>	10 m/s (vedi tabella portate) (see flow rate table)													
Grado di protezione IP <i>Degree of protection</i>	IP68 immersione continua a 1,5 m (IEC529) IP68 continuous immersion at 1,5 m (IEC 529)													
Parti a contatto con il liquido <i>Part in contact with the liquid</i>	PTFE							EBANITE						
Temperatura max <i>Max Temperature</i>	-40°C ÷ +180°C PTFE							-40°C ÷ +80°C EBANITE						
Materiale del tubo di passaggio <i>Flow pipe material</i>	AISI 304 (Inox)													
Materiale delle flange <i>Flange material</i>	Acc. Carb. verniciato Carbon steel painted													
Materiale elettrodi <i>Electrodes material</i>	Hastelloy C													
n° elettrodi <i>n° electrodes</i>	3 (per facilitare la messa a terra senza anelli su flange) 3 (easy earthing discharge without ring on flange)													
Alimentazione elettrica <i>Power supply</i>	24 V DC													
Uscita analogica <i>Analogic output</i>	0-20 mA													
Uscita digitale <i>Digital output</i>	impulsi/frequenza 24 Vdc pulse/frequency 24 Vdc													
Display	2 righe - 16 caratteri 2 line - 16 characters													
Interfaccia collegamento in rete <i>Net interface</i>	RS 485													
conformità alle norme <i>According to standards</i>	CEI EN61010-1 , EN50081-1 , EN50082-1 , UNI EN ISO 6817 , EN 1434													





ØDN	ØD5	L4	H
[mm]	[mm]	[mm]	[mm]
25	64	200 ⁰ / ₋₃	119
32	77	200 ⁰ / ₋₃	125.5
40	82	200 ⁰ / ₋₃	128
50	98	200 ⁰ / ₋₃	136
65	114	200 ⁰ / ₋₃	144
80	127	200 ⁰ / ₋₃	150.5
100	152	250 ⁰ / ₋₃	163
125	178	250 ⁰ / ₋₃	176
150	206	300 ⁰ / ₋₃	190
200	257	350 ⁰ / ₋₃	215.5
250	311	450 ⁰ / ₋₅	242.5
300	362	500 ⁰ / ₋₅	268
350	394	550 ⁰ / ₋₅	234
400	444	600 ⁰ / ₋₅	309

ØDN	H	H1
[mm]	[mm]	[mm]
25	113	294
32	119.5	300.5
40	122	303
50	130	311
65	138	319
80	144.5	325.5
100	157	338
125	170	351
150	184	365
200	209.5	390.5
250	236.5	417.5
300	262	443
350	228	409
400	303	484



Lunghezza massima del cavo in funzione della conducibilità del liquido
Maximum length of cables according to the liquid conductivity

Versione split MAG-S
Split model MAG-S