SISMA

G. GIOANOLA

METERING EFFICIENCY

WOLTMANN MID

REMOVABLE MECHANISM

CE MID

DN mm. – inches

50 – 2”	65 – 2” 1/2	80 – 3”
100 – 4”	125 – 5”	150 – 6”
200 – 8”	250 – 10”	300 – 12”

- Helical vane water meter, high capacity, straight reading, dry dial, measuring range from R50, temperature class T50
- Mod. WALF Interchangeable mechanism, fitted with sensor for remote reading by radio modules with **LoRaWAN** protocol for fixed network and **LoRA** for walk-by/drive-by, **W-Mbus OMS 868Mhz**, **NB-Iot,** measuring range from R40 to R250, temperature class T50
- Mod. WARF Interchangeable mechanism, pre-equipped for reed cable for remote reading
- Mod. WALF-I Interchangeable mechanism fitted with inductive sensor for remote reading
- It has the advantage that the measuring element may be quickly removed and replaced on-site avoiding removal of the full meter
- **MID** approved according to European Directive 2014/32CE (module B + D) in compliance with the norms **ISO 4064**, **EN 14154** and **OIML R49**
- All models are certified for use with potable water in accordance with the Italian ministerial decree **D.M. 174** in compliance with the European Directive 98/83CE (Drinking Water Directive)

WOLTMANN MID

REMOVABLE MECHANISM

DN size mm			50	65	80	100	125	150	200	250	300
Q_3	**Permanent flow rate**	**m³/h**	**40**	**63**	**100**	**160**	**160**	**250**	**400**	**1000**	**1600**
Q_4	Overload flow rate	m³/h	50	50	78,75	125	200	312,5	500	1250	2000
Q_2	Transitional flow rate [MPE ±2%]	m³/h	1.28	1.28	2.016	3.2	5.12	8	12.8	16	20
Q_1	Minimum flow rate [MPE ±5%]	m³/h	0,8	8,8	1,26	2	3.2	5	8	10	12,8
S	Starting flow	m³/h	0,17	0,17	0,28	0,3	0,6	1	1.5	3	8
MAP	Max allowed working pressure	bar	16	16	16	16	16	16	16	16	16
	Max. possible reading	m³	10^6	10^6	10^6	10^6	10^6	10^6 / 10^7	10^8	10^8	10^8
	Minimum reading unit	l	1	1	1	1	1	1	1	5	50
	Total lenght L	mm	200	200	225	250	250	300	350	450	500
	Height H	mm	257	267	277	287	297	375	400	429	496
	Diameter B	mm	165	185	200	220	245	285	340	400	460
	Height h	mm	82.5	92.5	100	110	122.5	142.5	170	193	230
	Weight	kg	12	13	15	19	22	47	48	75.5	103.5

MODELS:

Temp. Class T50

WARF/50 DN 50
WARF/65 DN 65
WARF/80 DN 80
WARF/100 DN 100
WARF/125 DN 125
WARF/150 DN 150
WARF/200 DN 200
WARF/250 DN 250
WARF/300 DN 300

WALF/50 DN 50
WALF/65 DN 65
WALF/80 DN 80
WALF/100 DN 100
WALF/125 DN 125
WALF/150 DN 150
WALF/200 DN 200
WALF/250 DN 250
WALF/300 DN 300

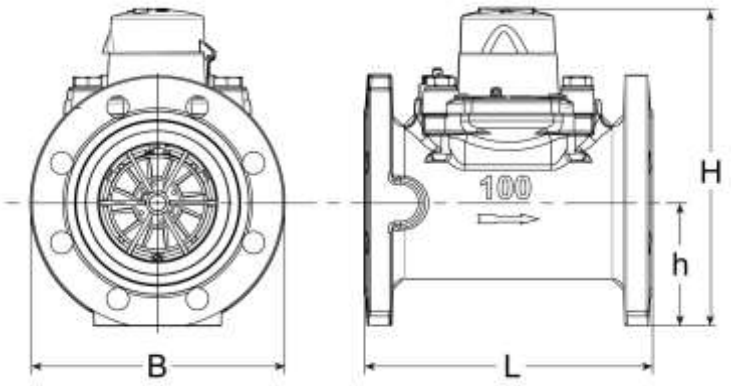
R100H/R100V
R160H/160V and
R250H/160V
R315H
Available on request

REED SWITCH PULSE EMITTER
TECHNICAL DATA

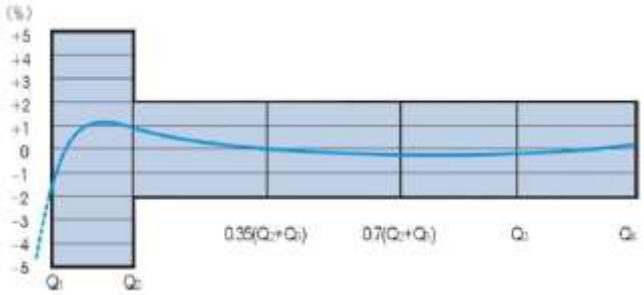
- Contact ratings: 24V-0,2A
- Standard length of cable supplied: 2mt

M-BUS OPTION
Mod. ADAPTO (to purchase separately): adapter to convert the signal generated by the reed sensor into a M-Bus signal (refer to page. 42).

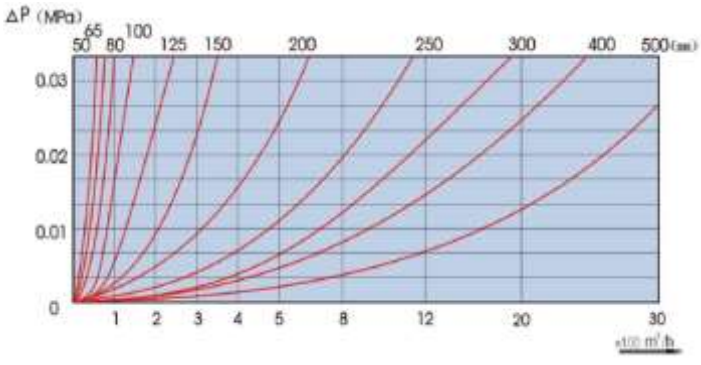
PULSE OUTPUT	for meters	Pulse rate
Reed Switch	**DN50/200**	100 / 1000
Reed Switch	**DN250/300**	1000
Inductive contact	**DN 50-125**	10/100
Inductive contact	**DN 150/200**	100/1000



TYPICAL ERROR CURVE



HEAD LOSS DIAGRAM



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