

# G. GIOANOLA



## WOLTMANN WATER METER

REMOVABLE MECHANISM  
SUPER DRY

DN	
mm.	inches
50	2
65	2.1/2
80	3
100	4
125	5
150	6
200	8
250	10
300	12
400	16
500	20



THIS MODEL CAN, AS AN OPTION, BE FITTED WITH A PULSED OUTPUT COUNTER FOR REMOTE READING. IT CAN ALSO BE ORDERED WITHOUT THE REED SWITCHES INSTALLED, BUT PRE-SET TO RECEIVE THE REED SWITCHES IN A FUTURE APPLICATION

**WOLTMANN WALF** - removable mechanism type - for cold water up to 50°C  
available in sizes from 2" to 12" (50 mm. - 300 mm.)

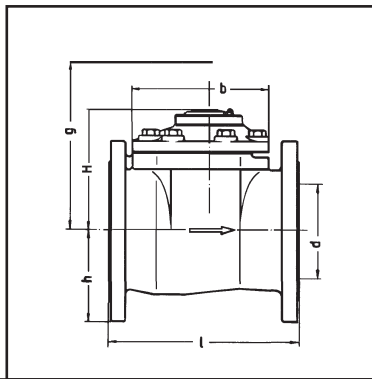
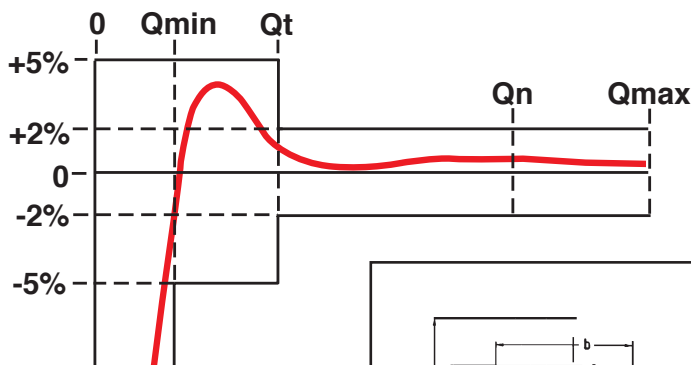
**WOLTMANN WALC** - removable mechanism type - for hot water up to 120°C  
available in sizes from 2" to 8" (50 mm. - 200 mm.)

(see overleaf pulse/rate table)

- \* A high capacity helical vane (Woltmann) type water meter
- \* WARF model for cold water up to 60 °C
- \* WARC model for hot water up to 130 °C
- \* It has the advantage that the measuring element may be quickly removed and replaced on-site with a precalibrated measuring mechanism
- \* No gears in the wet area; only one moving part - the impeller - in contact with water
- \* It can be installed in horizontal, vertical or inclined pipelines without any loss of accuracy
- \* A bold seven figure, straight reading counter, fitted with a pointer for precision readings
- \* In spite of the advantage of low-flow accuracy, the WARF/WARC features head losses smaller than those usually encountered in this type of meter
- \* Various nominal pressure available upon request (PN 10 - PN 16 - PN 25 - PN 40)
- \* Hydraulic features in line with EEC standards following provision n° 75/33

Nominal size of the meter		mm	50	65	80	100	125	150	200	250	300	400	500
Qmax	Maximum flow rate	m <sup>3</sup> /h	30	50	80	120	200	300	500	800	1200	2000	3000
Qn	Nominal continuous flow rate	m <sup>3</sup> /h	15	25	40	60	100	150	250	400	600	1000	1500
Qt	Transitional flow rate with ± 2% error	m <sup>3</sup> /h	2	4	4	6	6	12	12	15	15	50	80
Qmin	Minimum flow rate with ± 5% error	m <sup>3</sup> /h	0,55	0,6	0,7	1,2	2,5	3	5	10	12	30	45
	Starting flow	m <sup>3</sup> /h	0,2	0,25	0,25	0,3	0,6	1,7	1,8	3	9	16	20
	Weight	kg	12,5	13	15,5	19,5	20,5	40	50	108	136	220	300
	Lenght 'l'	mm	200	200	225	250	250	300	350	450	500	500 (800)	500 (900)
	Height 'H' centre line to top lid closed	mm	129	129	140	140	140	212	212	236	261	311	361
	Height 'h' centre line to bottom	mm	78	86	94	106	118	143	180	203	230	290	358
	Height 'g' centre line to top lid open	mm	254	254	265	265	265	460	460	461	486	607	657
	Overall dimensions 'b'	mm	166	186	200	228	250	300	375	405	460	580	715

### TYPICAL ACCURACY CURVE



The Company's policy is one of continuous product improvement and the right is reserved to modify the specifications contained herein without notice



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### SISMA WATER METERS

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### METERS EQUIPPED WITH A REMOTE READING DEVICE

*Pulse rates:*

<b>WOLTMANN WALF from DN. 50 to DN. 125 - cold water</b>	<b>WOLTMANN WALF from DN. 150 to DN.300 - cold water</b>
I/pulse: 1 - 2 - 3 - 5 - 25 - 50 - 250 namur device + divider	I/pulse: 1 - 50 - 250 namur device + divider
I/pulse: 10 reed switch sensor + special counter	I/pulse: 100 reed switch sensor + special counter
I/pulse: 100 - 1.000 reed switch sensor	I/pulse: 1.000 - 10.000 reed switch sensor
I/pulse: 500 reed switch sensor + divider	I/pulse: 500 reed switch sensor + divider + special counter
<b>WOLTMANN WALF from DN. 50 to DN. 125 - hot water</b>	<b>WOLTMANN WALC from DN. 150 to DN.200 - hot water</b>
I/pulse: 1 - 2 - 3 - 5 - 10 - 25 - 50 - 250 namur device + divider	I/pulse: 10 - 50 - 100 - 250 - 500 namur device + divider
I/pulse: 500 reed switch sensor + divider	I/pulse: 1.000 - 10.000 reed switch sensor
I/pulse: 100 - 1.000 reed switch sensor	