WOLTMANN PULSE EMITTER WATER METER

Data Sheet

FEATURES

- Dry dial
- Threaded Woltmann (2") type for cold and hot water
- Flange sizes range: from 2" to 8"
- Woltmann water meter for horizontal and vertical assembly
- Working temperature: cold water up to 60° C
  CWCA mod. up to 130 °C @ 16 bar
- Epoxy coated cast iron housing (except for CWFI with brass housing)
- Max voltage 250 VAC, 200 VDC
- Max current 1.0 A
- Max power 10 VA
- Insulation voltage 4000 Vac
- Available water meter without pulse emitter

R021025

Configuration Info

MODELS	
CWFA	"CWFA" - Woltmann pulse sender water meter (cold water, dry dial)
CWCA	"CWCA" - Woltmann pulse sender water meter (hot water, dry dial)
CWFI	"CWFI" - Woltmann pulse sender water meter (cold water, dry dial, threaded 2")
CWFAT	"CWFAT" - Woltmann pulse sender water meter (cold water, dry dial, teflon coated)

Model CWCA. 015 0 01 L 0 2.5

GAUGES		
	inc	mm
050	2	50
065	2 1/2	65
080	3	80
100	4	100
150	6	150
200	8	200
250	10	250
300	12	300

CONNECTORS	
0	BNC
1	2 wires
3	2 wires (coaxial cable)

QUANTITY PER PULSES	
L	1 litre
D	10 litres
C	100 litres
M	1000 litres

PULSES PER LITRE
refer to the tables "Pulses per litre"

Via Donatori di Sangue, 1 - 02100 Rieti (Italy)
+39 074622841 | emecpumps.com

Specifications subject to change without notice | R2025

emec SIMPLE AS WATER

IQNET CERTIFIED MANAGEMENT SYSTEM
qualityaustria SYSTEM CERTIFIED
ISO 9001:2015 No.07728/0
ISO 14001:2015 No.00997/0
ISO 45001:2018 No.01121/0

WOLTMANN PULSE EMITTER WATER METER

Data Sheet

PULSES PER LITRE

PULSES PER LITER FOR CWFA / CWFI SERIES								
	Water meter caliber							
	50 - 2"	65 - 2,5"	80 - 3"	100 - 4"	150 - 6"	200 - 8"	250 - 10"	300 - 12"
Pulses for 10 lt	1-2-4	1-2-4	1-2-4	n/a	n/a	n/a	n/a	n/a
Pulses for 100 lt	1-2-4	1-2-4	1-2-4	1-2-4	1-2-4	n/a	n/a	n/a
Pulses for 1000 lt	1-2-4	1-2-4	1-2-4	1-2-4	1-2-4	1-2-4	1-2-4	1-2-4
Pulses for 10000 lt	n/a	n/a	n/a	1-2-4	1-2-4	1-2-4	1-2-4	1-2-4

PULSES PER LITER FOR CWCA						
	Water meter caliber					
	50 - 2"	65 - 2,5"	80 - 3"	100 - 4"	150 - 6"	200 - 8"
Pulses for 100 lt	1				n/a	
Pulses for 1000 lt	n/a				1	

DIMENSIONS

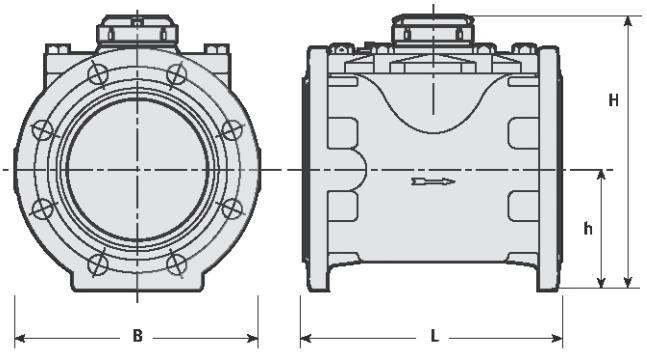
GAUGES	(mm)	50	65	80	100	150	200	250	300	CWFI 50
	(inch)	2	21/2	3	4	6	8	10	12	CWFI 2
L - Length (mm)		200	200	230	250	300	350	450	500	200
B - Width (mm)		165	185	200	200	283	340	406	460	-
H - Height (mm)		214	228	234	250	310	338	438	465	175
h - Height (mm)		70	84	90	106	130	158	258	330	-
Weight (kg)		12	13	15.5	19	35	47	75	95	5

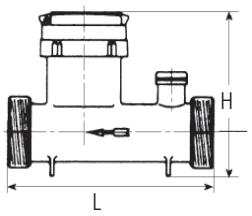
CWFAT

DRY DIAL

- MAX 60°C - 16 BAR
- Woltman cold water pulse emitting water meter
- Internal and external PTFE coating
- 2,5 m cable

CWFAT 50	Flange 2"
CWFAT 65	Flange 2.1/2"
CWFAT 80	Flange 3"
CWFAT 100	Flange 4"

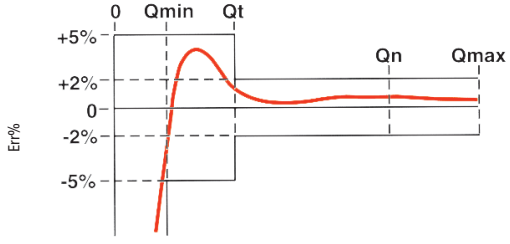




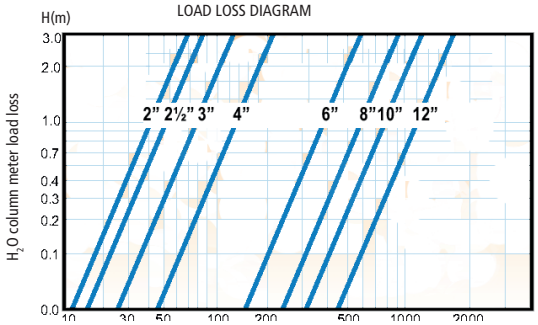
FEATURES

DN diameter (mm)	50	65	80	100	125	150	200	250	300
Q3 Permanent flow rate (m³/h)	40	63	100	160	160	250	400	1000	1000
Q4 Overload flow rate (m³/h)	50	78.8	125	200	200	312.5	500	1250	1250
Q2 Transitional flow rate [MPE ±2%] (m³/h)	0.8	1.2	2	3.2	3.2	5	8	20	20
Q1 Minimum flow rate [MPE ±5%] (m³/h)	0.5	0.78	1.25	2	2	3.125	5	12.5	12.5
S Sensitivity (m³/h)	0.15	0.15	0.25	0.3	0.5	0.8	2	3	4
MAP Max permissible pressure (bar)	16	16	16	16	16	16	16	16	16
Maximum 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)	0.5	0.5	0.5	5	0.5	5	50	50	50
Total length L (mm)	200	200	225	250	250	300	350	450	500
Height H (mm)	209	218	249	258	271	316	345	463	505
Diameter B (mm)	165	185	200	220	250	285	340	405	489
Height h (mm)	77	86	95	104	117	133	162	203	245
Weight (kg)	10	11.2	15.2	17.2	22.4	29	42.6	80	95

ERROR CURVE



LOAD LOSS DIAGRAM



Via Donatori di Sangue, 1 - 02100 Rieti (Italy)
+39 074622841 | emecpumps.com

emec SIMPLE AS WATER

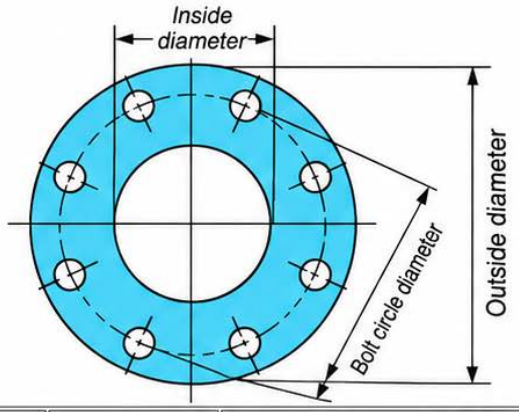
Specifications subject to change without notice | R2025

IQNET CERTIFIED MANAGEMENT SYSTEM
qualityaustria SYSTEM CERTIFIED
ISO 9001:2015 No.07728/0
ISO 14001:2015 No.00997/0
ISO 45001:2018 No.01121/0

WOLTMANN PULSE EMITTER
WATER METER

Data Sheet

UNI EN 1092-1 (ex UNI 2278-67)



DN mm	Outside diameter mm	Inside diameter mm	Thickness mm	Holes			Weight kg
				Bolt circle diameter mm	Hole diameter mm	Number	
15	95	22	14	65	14	4	0,67
20	105	27,5	16	75	14	4	0,94
25	115	34,5	16	85	14	4	1,11
32	140	43,5	18	100	18	4	1,82
40	150	49,5	18	110	18	4	2,08
50	165	61,5	20	125	18	4	2,73
65	185	77,5	20	145	18	4	3,16
80	200	90,5	20	160	18	8	3,60
100	220	116	22	180	18	8	4,39
125	250	141,5	22	210	18	8	5,41
150	285	170,5	24	240	22	8	7,14
200	340	221,5	26	295	22	12	9,73
250	405	276,5	29	355	26	12	14,20
300	460	327,5	32	410	26	12	19,00
350	520	359,0	35	470	26	16	28,20
400	580	411	38	525	30	16	35,90
450	640	462	42	585	30	20	46,10
500	715	513,5	46	650	33	20	64,00
600	840	616,5	52	770	36	20	96,00
700	910	-	-	840	36	24	-
800	1.025	-	-	950	39	24	-
900	1.125	-	-	1.050	39	28	-
1.000	1.255	-	-	1.170	42	28	-

Via Donatori di Sangue, 1 - 02100 Rieti (Italy)
+39 074622841 | emecpumps.com

Specifications subject to change without notice | R2025

emec
SIMPLE AS WATER

IQNET CERTIFIED MANAGEMENT SYSTEM
qualityaustria
SYSTEM CERTIFIED
ISO 9001:2015 No.07728/0
ISO 14001:2015 No.00997/0
ISO 45001:2018 No.01121/0