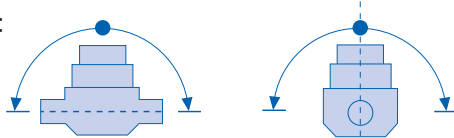


ROTARY PISTON MEASURING CAPSULE METER R-MK & R-MSK QN 2.5 & ROTARY PISTON METER R-TK QN 3.5 · 5 · 10 MODELS 116/117

APPLICATION

- Only the measuring capsule needs to be replaced on expiry of the calibration period.
- Housing and coupling head (same design as CALYGA meter) remain fitted in the pipeline.
- Cold water up to 30 °C (safe up to 50 °C)
- Installation:

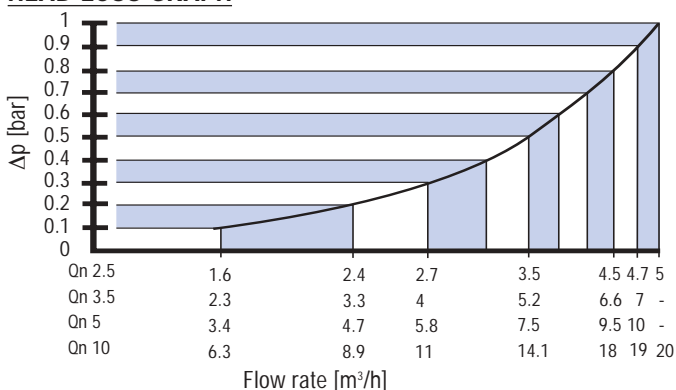


horizontal, riser pipe, downpipe 90° tilted

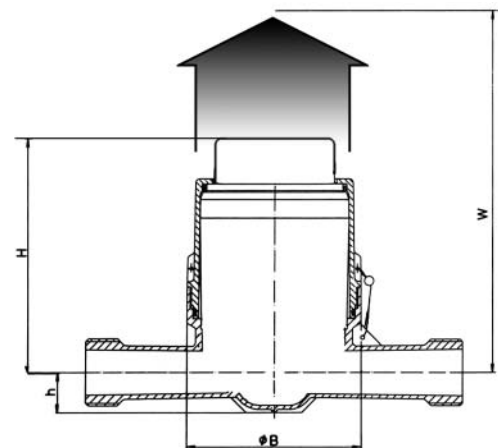
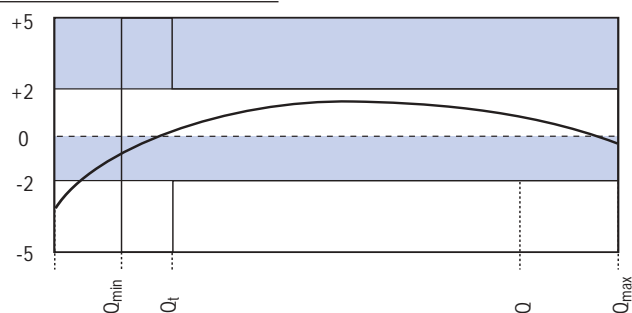
FEATURES

- EEC approval for metrological class C
- Low starting flow (approx. 2 l/h) permits recording of very small amounts of water
- Large measuring range
- Self-cleaning measuring chamber removes sedimentation or polluted water
- Encapsulated roller counter unit rotatable by 350°
- Patented anti-condensation counter window for reliable reading
- No inlet section necessary
- Prepared as standard for connection of HYDRO-RADIO "Compact" module or "Pulsar" contact maker (reed switch) or "DRACO" modular metering counter

HEAD LOSS GRAPH



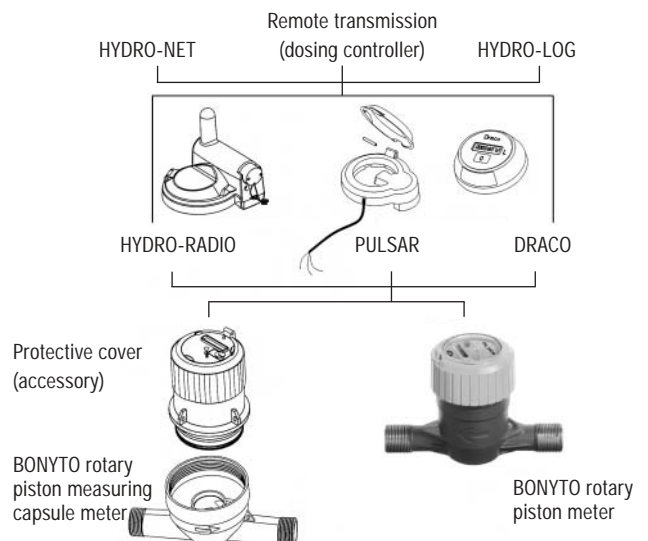
TYPICAL ERROR GRAPH



MODULARITY

Retrofittable on site (just clips on to the basic meter)

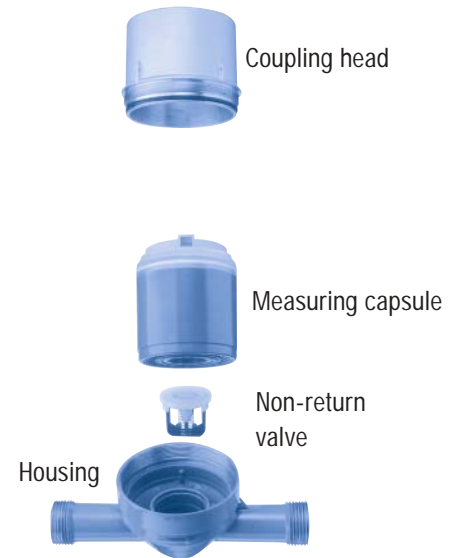
- HYDRO-RADIO "Compact" module
- "Pulsar" contact maker (reed switch)
- "DRACO" modular metering counter



ROTARY PISTON MEASURING CAPSULE METER R-MK & R-MSK QN 2.5 & ROTARY PISTON METER R-TK QN 3.5 · 5 · 10 MODELS 116/117

TECHNICAL DATA

Model			116		116	
			R-MK		R-TK	
Type						
Nominal diameter	DN	mm	20	25	32	40
Nominal flow rate	Q _n	m ³ /h	2.5	3.5	5	10
Lower measuring range limit	Q _{min}	l/h*	6	35	50	100
Transition flow	Q _t	l/h*	12	52.5	75	150
Maximum flow rate	Q _{max}	m ³ /h*	5	7	10	20
Starting flow rate		l/h	2	2	3	5
Class			C	C	C	C
Operating pressure			16	16	16	16
Operating temperature			0 - 30	0 - 30	0 - 30	0 - 30
Meter coupling	AG	inch	G 1 B	G 1 1/4 B	G 1 1/2 B	G 2 B
Overall length			190	260	260	300
Height	H	mm	140	160	185	196
Height	W	mm	165			
Width	Ø B	mm	93	112	146	165
Weight of complete meter			1.74	2.80	4.60	8.90
Weight of measuring capsule			266			
Pulse sequence (reed switch) (retrofitable - see electronic accessories)			1	1	1	1
Indication range			8-digit, 0.001 to 99,999 m ³			



ORDER REFERENCES FOR BONYTO ROTARY PISTON MEASURING CAPSULE METER R-MK & R-MSK

Model	Qn/PN	Type designation	Overall length	Version	Temperature	Connection	*Metro. cl.	Article number
116	2.5 m ³ /h / 16	R-MK	190 mm	without NRV	30 °C	G 1 B	B	116 000 18
116	2.5 m ³ /h / 16	R-MK	190 mm	with NRV	30 °C	G 1 B	B	116 000 20
116	2.5 m ³ /h / 16	R-MK	190 mm	without NRV	30 °C	G 1 B	C	116 000 19
116	2.5 m ³ /h / 16	R-MK	190 mm	with NRV	30 °C	G 1 B	C	116 000 21
116	2.5 m ³ /h	Replacement measuring capsule			30 °C		B	116 000 16
116	2.5 m ³ /h	Replacement measuring capsule			30 °C		C	116 000 17
117	2.5 m ³ /h / 16	R-MSK	105 mm	without NRV	30 °C	G 1 B	B	117 000 01
117	2.5 m ³ /h / 16	R-MSK	105 mm	with NRV	30 °C	G 1 B	B	117 000 02

Accessories for R-MK & R-MSK only	Article number
Non-return valve with DVGW registration number, 30 °C	628 000 03
Protective cover with lid (necessary for fitting HYDRO-RADIO, PULSAR or DRACO)	628 000 14
CALYGA flushing cap	628 000 06
CALYGA installation tool	620 000 01
12.5 mm square ratchet key with case	628 000 16
CALYGA locating tool	628 000 12
Flushing hose R 3/4" complete with GEKA coupling, length 1 m, 30 °C	628 000 07

ORDER REFERENCES FOR BONYTO ROTARY PISTON METER R-TK

Model	Qn/PN	Type designation	Overall length	Version	Temperature	Connection	*Metro. cl.	Article number
116	3.5m ³ /h / 16	R-TK	260 mm	without NRV	30 °C	G 1 1/4 B	B	116 000 11
116	3.5 m ³ /h / 16	R-TK	260 mm	without NRV	30 °C	G 1 1/4 B	C	116 000 03
116	5 m ³ /h / 16	R-TK	260 mm	without NRV	30 °C	G 1 1/2 B	B	116 000 13
116	5 m ³ /h / 16	R-TK	260 mm	without NRV	30 °C	G 1 1/2 B	C	116 000 04
116	10 m ³ /h / 16	R-TK	300 mm	without NRV	30 °C	G 2 B	B	116 000 15
116	10 m ³ /h / 16	R-TK	300 mm	without NRV	30 °C	G 2 B	C	116 000 05

Accessories for R-MK, R-MSK and R-TK	Article number
HYDRO-RADIO "Compact" module	581 000 01
Pulsar contact maker (reed switch)	570 001 11
DRACO metering counter (with reset)	512 000 14

Minor changes are possible in the course of technical development.