

By-pass Meters

for Compound Water Meters



Rotary Piston Meter RKD Qn 2.5 / 3.5 / 6 / 10

Main characteristics

- Performance data better than class C
- Measurement of very low flowrates
- Hermetically sealed register (IP 68)
- Register may be rotated through 360°
- Register with 6 digits, 3 sweep hands and low flow leak indicator (Qn 2.5)
- Long service due to high quality materials
- Easy maintenance

Applications

As by-pass meter for compound water meters with automatic meter reading

Qn 2.5 for DN 50 ... 100
Qn 10 for DN 150

For automatic meter reading and connection of a high resolution pulser e.g. for data logging

Available Options

- Standard register may be equipped with up to 3 pulsers (1 x OD, 2 x RD) without breaking the meter seal
- Hybrid and Encoder register may be equipped with pulser OD
- Meters may be fitted with Hybrid and Encoder registers



HYBRID



ENCODER

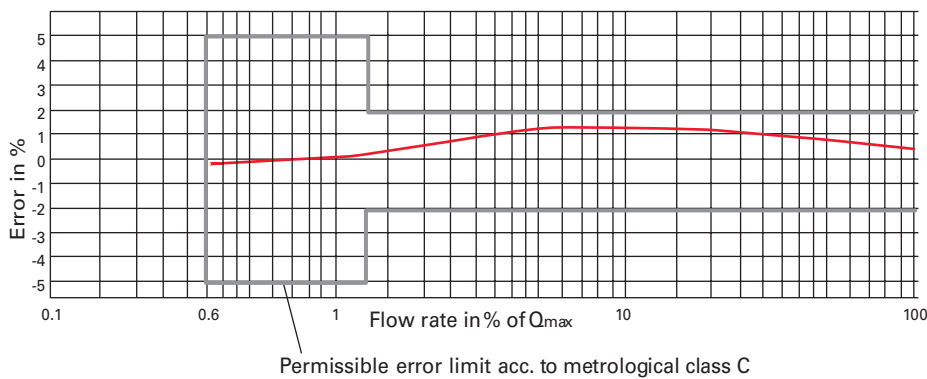
Pattern Approval Sign

D 96	Cold water meter Qn 2,5	B 77	Cold water meter Qn 3,5 / 6 / 10
6.123.05	Marking: Metrological class C 30 °C	32.04	Marking: Metrological class C 30 °C

Technical Data

Rotary Piston Meter RKD			Qn 2.5	Qn 3.5	Qn 6	Qn 10
Continuous flow $\pm 2\%$	Q_n	m ³ /h	2.5	6	6	10
Max. peak flow (few minutes)	Q_{max}	m ³ /h	5.0	12	12	20
Transitional flow $\pm 2\%$	Q_t	l/h	12	52.5	52.5	150
Minimum flow $\pm 5\%$	Q_{min}	l/h	6.0	6.0	11	50
Starting flow		l/h	2	2	7	8
Nominal pressure	PN	bar	16	16	16	16
Head loss	Δp at Q_{max}	bar	0.48	1.0	1.0	1.0
Overall length	L	mm	190	260	260	300
Connection thread size			G1B	G1 1/4 B	G1 1/4 B	G2 B
Height	H	mm	145	186	186	193
Width	B	mm	110	135	135	150

Typical Accuracy Curve



Pulse Values

RKD Qn 2,5

for Standard-register

RD 01*) 1 pulse = 10 l and
1 pulse = 100 l

for Standard-, Hybrid- and Encoder-register

OD 01 1 pulse = 0.1 l
OD 03 1 pulse = 1 l

RKD Qn 3,5 / 6 / 10

for Standard-register

RD 01*) 1 pulse = 100 l and
1 pulse = 1000 l

for Standard-, Hybrid- and Encoder-register

OD 01 1 pulse = 1 l
OD 03 1 pulse = 10 l

*) other pulse values on request

Available Designs

Rotary Piston Meter RKD Qn 2.5 / 3.5 / 6 / 10

with Standard register and connection port for RD and OD

with Hybrid register and connection port for OD

with Encoder register and connection port for OD



Certified according to ISO 9001
Quality Management System OQS Reg.no. 3496/0

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