

Bypass Meters

for meitwin



Rotary Piston Meter Cartridge RPD

Special Features

- EEC pattern approved measuring cartridge
- Performance data better than class C
- Detection of very low flowrates
- Hermetically sealed register (IP68)
- Register may be rotated through 360°
- Register with 6 digits, 3 sweep hands and low flow leak indicator
- Long service due to high quality materials
- Low noise operation

Application

As bypass meter cartridge for compound water meter meitwin with automatic meter interrogation

Qn 2.5 for DN 50 ... 100

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

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 registers may be equipped with pulser Opto OD

Meters may be fitted with 3 different electronic registers



HYBRID

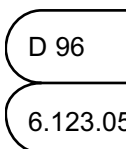


ELECTRONIC



ENCODER

Pattern Approval Sign



Cold water meter
Qn 2,5

Marking:
Metrological class C
30 °C

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Pulse Values

for Standard-register

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

for Standard-, Hybrid- and Encoder-register

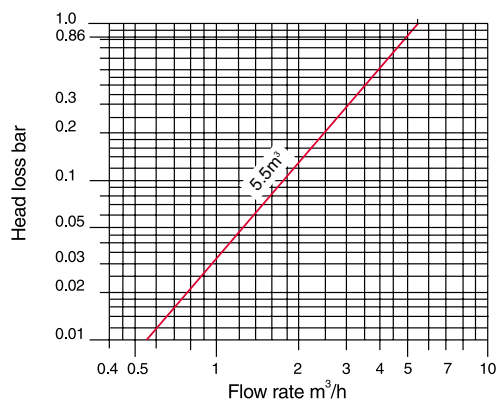
OD 01 1 pulse = 0.1 l
OD 03 1 pulse = 1 l

*) other pulse values on request

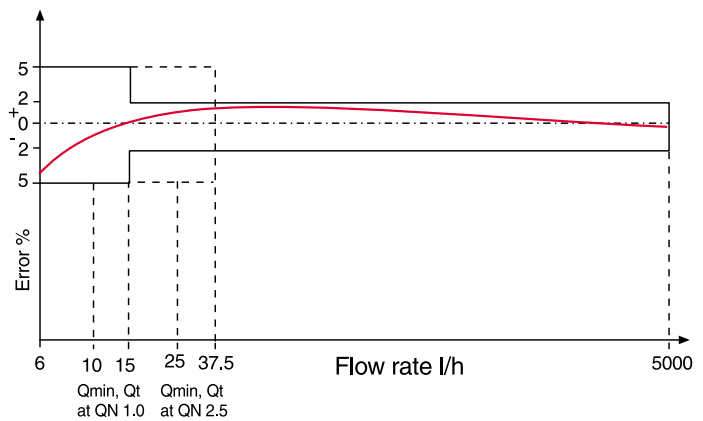
Performance Data

Rotary Piston Meter Cartridge RPD			Qn 2,5
Max. peak flow (few minutes)	Q_{max}	m ³ /h	5.0
Continuous flow $\pm 2\%$	Q_n	m ³ /h	2.5
Transitional flow $\pm 2\%$	Q_t	l/h	15
Minimum flow $\pm 5\%$	Q_{min}	l/h	10
Starting flow		l/h	2.0
Nominal pressure	PN	bar	16
Head loss at Q_{max}	Δp	bar	1.0

Typical Head Loss Curve



Typical Accuracy Curve



Available Designs

Rotary Piston Meter Cartridge Type RPD
Qn 2.5

- With Standard register and connection port for RD and OD
- With Hybrid register and connection port for OD
- With Electronic register
- With Encoder register and connection port for OD



Rotary Piston Meter Cartridge Type R-XTP

Special Features

- EEC pattern approved measuring cartridge
- Performance data better than class C
- Detection of very low flowrates
- Register may be rotated through 360°
- Register with 8 digits, 1 sweep hand and low flow leak indicator
- Roller counter with 3 decimal digits
- Long service due to high quality materials
- Low noise operation

Application

As bypass meter cartridge for compound water meter meitwin

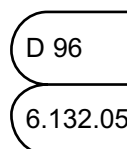
Options

- Register may be equipped with Reed pulser
- 3 pulse values are possible:
10 litres, 100 litres, 1000 litres

Available Designs

- Rotary Piston Meter Cartridge Type R-XTP Qn 2.5
- Rotary Piston Meter Cartridge Type R-XTP Qn 2.5 K10
with pulser Reed, 1 pulse = 10 l
- Rotary Piston Meter Cartridge Type R-XTP Qn 2.5 K100
with pulser Reed, 1 pulse = 100 l
- Rotary Piston Meter Cartridge Type R-XTP Qn 2.5 K1000
with pulser Reed, 1 pulse = 1000 l

Pattern Approval Sign

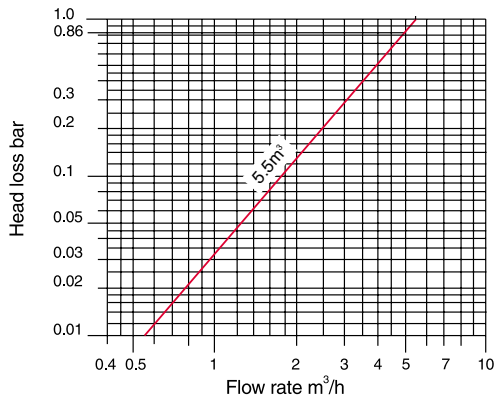


Cold water meter Qn 2,5

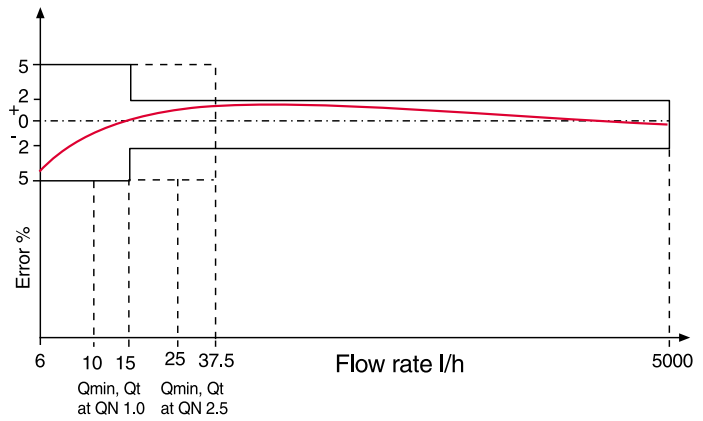
Marking:
Metrological class C
30 °C

Bypass meters for meitwin

Typical Head Loss Curve



Typical Accuracy Curve



Performance Data

Rotary Piston Meter Cartridge	R-XTP	Qn 2,5
Max. peak flow (few minutes)	Q_{max}	m³/h 5.0
Continuous flow ±2%	Q_n	m³/h 2.5
Transitional flow ±2%	Q_{tr}	l/h 15
Minimum flow ±5%	Q_{min}	l/h 10
Starting flow		l/h 2,0
Nominal pressure	PN	bar 16
Head loss at Q_{max}	Δp	bar 1.0