



EnergyTechnology

RNK-L-RP-N

Piston type water meter

with plastic body
with protected dial
retrofitable with pulser



ZENNER
All that counts.



RNK-L-RP-N

Piston type water meter with protected dial and composite housing

The new series of our volumetric piston meters with protected dial are an improvement of the classical RNK. Our developers succeeded in combining the millionfold proved and high-precise measuring insert with a body of pressure-tight plastics, suitable for use with potable water. The result is the innovative RNK-L-RP-N.

A very low starting flow and reliable performance even with aggressive or dezincification water qualities are its main features. The protected roller counter is reliably readable even under demanding climatic conditions.

The construction principle of the RNK-L-RP-N with direct transmission from the measuring chamber to the counter ensures by standard protection against magnetic or other manipulation attempts or interference.

RNK-L-RP-N is equipped with pulser (Reed) for remote readout.

Technical Data

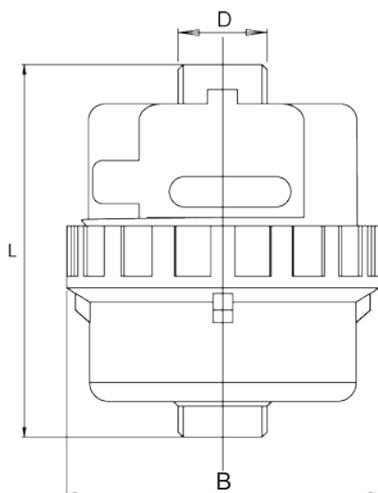
- Rugged, light and intelligently conceived
- Register with protected encapsulated rollers
- Approx. 50% lighter than meters with brass body
- Housing made from high-quality UV-resistant polymer composite
- Working temperature 30°C
- Operating pressure PN 16
- Display range 0,02 l to 9999 m³
- Proven accuracy in any installation position
- Optional with integrated tamperproof check valve
- Retrofittable with pulser 0,5 l/pulse
- Approved in accordance with MID

Technical Data RNK-L-RP-N

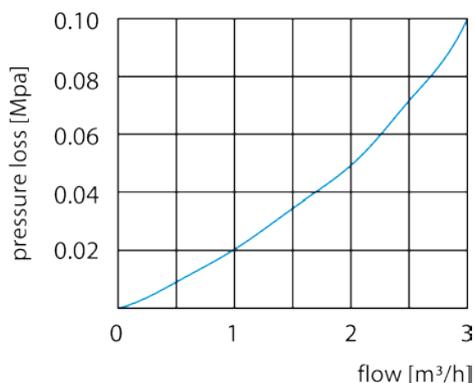
Permanent flow	Q_3	m ³ /h	1,6	2,5	4
Comparable to nominal flow (EWG)	Q_n	m ³ /h	1	1,5	2,5
Attainable measuring range	Q_3/Q_1	R	160	160	200
Standard measuring range	Q_3/Q_1	R	160	160	160
Comparable to metrological class (EWG)	Class		C	C	C
Overload flow	Q_4	m ³ /h	2	3,215	5
Minimum flow	Q_1	l/h	10	16	25
Start-up flow rate	-	l/h	< 3,5	< 3	< 4
Display range	min	l	0,02	0,02	0,02
	max	m ³	9999	9999	9999
Maximum temperature		°C	30	30	30
Operating pressure, max.	PN	bar	16	16	16
Pulse value		l/pulse	0,5	0,5	0,5
Pressure loss at Q3		bar	< 0,6	< 0,6	< 0,6

Dimensions:

Nominal diameter	DN	mm	15	15	20
		inch	1/2"	1/2"	3/4"
Overall length without connectors	L	mm	115/165	115/165	165/190
Overall length with connectors approx.		mm	195/245	195/245	261/286
Thread meter G x B	D	inch	3/4"	3/4"	1"
Width	B	mm	103	103	103
Weight		kg	0,43/0,45	0,43/0,45	0,49/0,50



Dimensions RNK-L-RP-N



Typical pressure loss curve