

Semi-positive, rotary piston type water meter dry dial (Manifold Meter)

Dedra -Rp-Sdc is water meter suitable for cold water assuring high accuracy even at very low flow rates. It's a rotary piston type meter: a cylindrical piston is placed inside the meter and when moved by the water it rotates around a pinion in the middle of the measuring chamber whose volume is known. The chamber has one inlet and one outlet hole. The water enters the chamber through the inlet hole and pushes the piston to move displacing a volume of water through the outlet hole which is exactly the same as the known volume of the meters' measuring chamber. The main difference between the inferential type and the rotary piston type is that in the inferential type the quantity of impeller's revolutions is directly related to water speed, whereas in the semi-positive rotary piston type the total measured volume is the arithmetic sum of the water volumes that have passed through the measuring chamber. It has a straight reading register and a Super-dry dial (no gears are submerged in water).

Transmission of movement is achieved through a corrosion-proof magnetic drive that is protected by a special shield from external magnetic fields.

- The straight reading register operates in a dry compartment, which is under vacuum condition, as a result the register always remains perfectly clear. Easy reading in any working conditions is ensured.
- A micro perforated strainer ensures absolute protection of the measuring chamber from foreign particles in suspension. This means maximum reliability.
- A long operating life is guaranteed by the robust construction, which provides maximum protection, thanks to the very low number of piston rotations per cubic metre of water flow and to the selection of the best quality materials
- Hydraulic performance: EEC 75/33.
- The meter can be installed on horizontal, vertical and inclined pipes.

SIZE AND USAGE (Class C)

Gauge	mm	13
	inches	1 1/2"
Qmax	m ³ /h	3
Qn	m ³ /h	1,5
Qt	l/h	22,5
Qmin	l/h	15
PN	bar	16
Pressure drop (at max qty)	bar	<1
Sensitivity	l/h	4
Minimum reading	lt	0,05
Maximum reading	m ³	99.999
Weight	kg	1,4
Length	mm	110

