



S150P - R125

Polymer meter for low flow rates

Size DN15

Performance

The S150P meter belongs to Elster's range of single-jet velocity meters. Designed for domestic use with certification in accordance with CEN-EN 14154, the meter provides high metrological performance over time.

Dry register

Through magnetic transmission, turbine movement causes the register's rollers to turn. The gears in the register are not in direct contact with the water.

Communication

The register is pre-equipped so that a bi-directional inductive pulse transmitter (see PR6 transmitter technical specifications) or a device with integrated radio technology (see TPR11 module data) can easily be integrated.

Extremely simple by design, this type of pulse transmission is 100% compatible with all remote reading and data capture systems on the market.

Polymer body

As a result of over 20 years experience in the use of polymer materials in water meters, and with environmental sustainability in mind, Elster's polymer bodied water meter has a reduced carbon footprint. For the user, it is lighter to transport, can be installed in the same way as traditional brass bodied meters and the polymer material has no intrinsic value.



Single-jet technology

The measuring chamber contains a turbine rotor which is driven by water coming from a single direction. The rotational speed of the turbine rotor depends on the flow rate at any one time.

Main features

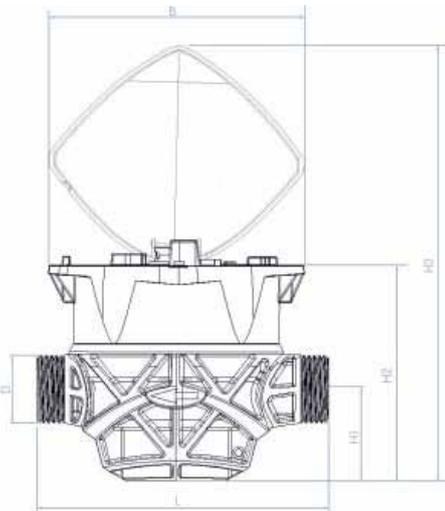
- Advanced polymer body
- High protection against moisture and shocks
- Magnetic transmission without gears in the water
- Dry type, 350° rotating register
- Five m³ rollers
- 15 mm size for Q3 flow rates of 2,5 m³/hr
- Dynamic flow range up to R125 for horizontal installation and R50 for vertical installation
- Pre-equipped for integration of bi-directional pulse transmitter
- Lengths and threads compatible with other meter models
- Water temperature up to 30 °C, although the meter can withstand a maximum working temperature of 50 °C
- Removable cover
- Mechanical seal to ensure the meter is tamper-proof
- Certified in accordance with RD 889/2006 (Measuring Instruments Directive 2004/22/EC).

Register



- Five m3 rollers
- Pulse transmission
- Removable cover
- Magnetic transmission.

Diagram



Warranty:

The equipment is guaranteed for two years against any manufacturing default in its operation and/or materials from the date of delivery. This warranty means the replacement of all parts in our workshops. The warranty does not cover damage caused by improper installation, incorrect handling, events of force majeure, or if the data provided does not conform with the actual conditions of work. Likewise, any breakdown or failure caused by internal freezing of fluid and the consequent increase in its volume shall not be covered by the warranty. For anything else not included in this summary, the terms of the warranty provided in Elster's general terms and conditions shall apply.

Performance data for R125

Size			15
Maximum flow rate	Q4 ($\pm 2\%$)	m ³ /hr	3,125
Nominal flow rate	Q3 ($\pm 2\%$)	m ³ /hr	2,5
Transitional flow rate	Q2 ($\pm 2\%$)	l/hr	32
Minimum flow rate	Q1 ($\pm 5\%$)	l/hr	20
Starting flow rate		l/hr	3,5 - 5
Head loss at Q3		bar	0,6
Nominal pressure	PN	bar	16

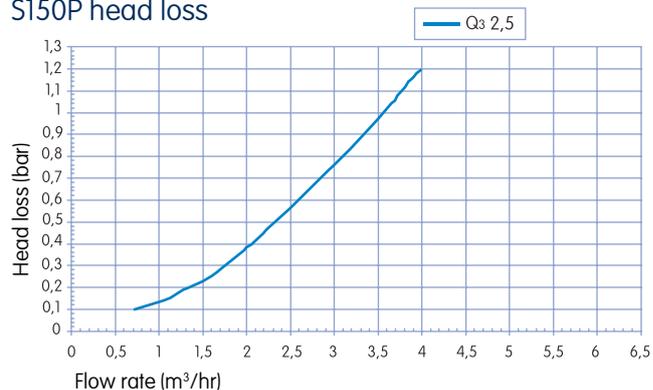
Meter reading

Minimum reading		litre	0,05
Maximum reading		m ³	99,999
Pulse transmitter		l/p	1

Dimensions and weight

Distance across threads	L	mm	115
Height with cover open	H3	mm	172
Height with cover closed	H2	mm	98
Centre line height	H1	mm	36
Width	B	mm	100
Thread	D	in	$\frac{3}{4} \times \frac{3}{4}$
Approx. weight		kg	0,34

S150P head loss



S150P meter accuracy

