

Bullet Positive Displacement Meter - AS 3565

Description

The Reliance *Bullet Positive Displacement Meter AS 3565* is a robust domestic meter suited to internal and external use.

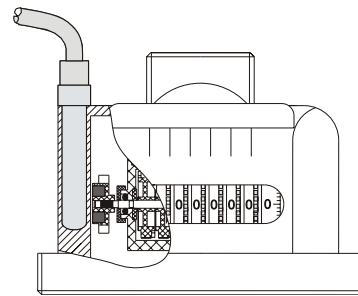
The *Bullet Positive Displacement Meter AS 3565* measures the volume of cold potable water passing through the pipeline. The *Bullet Positive Displacement Meter AS 3565* meter conforms to AS 3565 standard.

The meter is based on a calibrated chamber of known capacity and a rotary piston activated by the energy of the flow that passes through. The piston rotates while the chamber fills up and empties with a constant volume of water. By counting these cycles the register indicates the total volume that has been registered.

The *Bullet Positive Displacement Meter AS 3565* is available in 20 mm and 25 mm configurations.

Features and Benefits

- ❖ Three component volumetric mechanism
 - » High sensitivity and accurate registration throughout a wide flow range
- ❖ Corrosion resistant body
 - » High quality components are selected for corrosion resistance
- ❖ Liquid sealed register
 - » Easy and long term clear reading
- ❖ Low starting flow rate
 - » Accurate reading at a wider range of supply flow rates
- ❖ Internal non-return valve and strainer
 - » Integral dual check valve backflow to AS2845.1
- ❖ Pulse capable
 - » Optional reed switch allows remote reading without breaking the meter seal
- ❖ Metrological Certification
 - » NMI No. 14/3/9

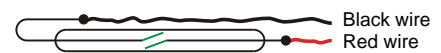


- Reed Switch Assembly
- Magnet

The optional reed switch pulser consists of a plastic housing with a reed switch to read the total consumption of water.

Reed Switch Pulse	2 Pulse for each
DN	1 Litre
20/25	●

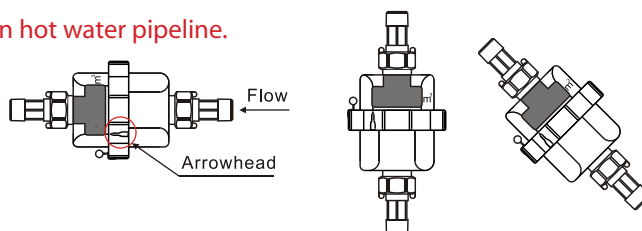
Electric data: V max: 24V/DC
I max: 0.01A



Application

The Reliance *Bullet Positive Displacement Meter AS 3565* is a water meter suited to internal and external use. The product can be installed in any position. The meter must be installed with the direction of the flow as indicated by the arrow cast in the meter body. For ease of servicing it is recommended an isolating valve be installed before the meter.

Do not use cold water meter in hot water pipeline.



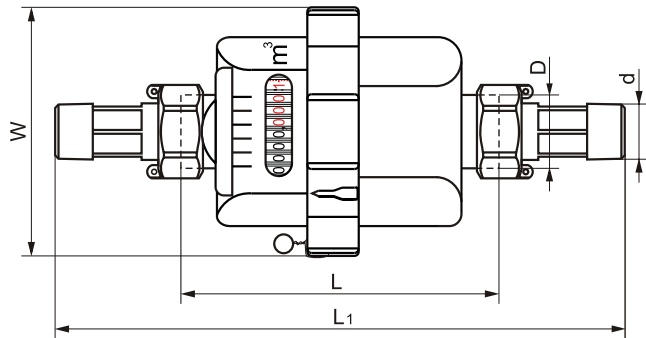
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Specification

	DN20	DN25
Overload flow rate (Q4):	5 kL/h	7.8 kL/h
Permanent flow rate (Q3):	4 kL/h	6.3 kL/h
Transition flow rate (Q2):	32 L/h	64 L/h
Minimum flow rate (Q1):	20 L/h	40 L/h
Maximum reading m ³ :	9999.99998	
Minimum reading m ³ :	0.00002	
Operating water temperature:	≤ 30° C	
Operating water pressure:	≤ 1.4 MPa.	

Maximum Permissible Error:

- ❖ In the lower zone from Q1 inclusive up to but excluding Q2 is ± 5%
- ❖ In the upper zone from Q3 inclusive up to and including Q4 is ±2%



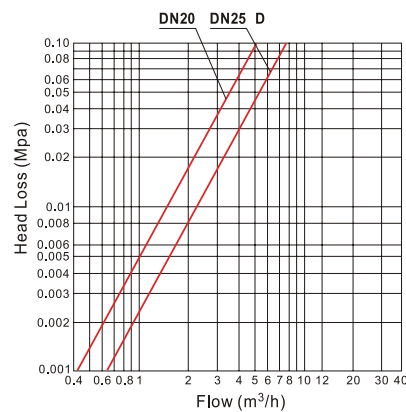
Dimensions

Nominal Diameter	DN 20		DN 25	
	Meter Thread	NSW Thread	Meter Thread	NSW Thread
Body Length in mm (L)	154	152	178	173
Total Length in mm (L ₁)	242	276	282	316
Connector Thread (d)	R3/4		R1	
Width in mm (W)	96		112	
Weight in kg (without connectors)	1.2		1.8	
Weight in kg (with connectors)	1.5		2.4	

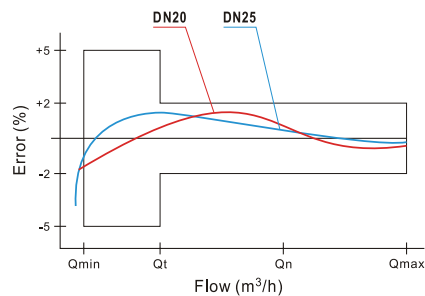
L₁ is the total length when coupling gaskets without compression.

Flow Characteristics

Head Loss Curve



Accuracy Curve



Materials

Body/ H Ring	DR Bass
Reading Face	Polycarbonate
Counter Mechanism	PSHI, Graphite
Check Valves	Acetal