

# DSTRP MULTIJET WATER METER

The DSTRP water meters are used to totalise the volume of water used.

- Low cost ✓
- Long life bearings ✓
- Wide flow range ✓
- Sealed, clear display ✓
- Tamper proof seal ✓
- Pulsed output option ✓



## Application

These DSTRP series water meters are installed in numerous applications where the accurate and economic measurement of hot and cold water usage is needed. These meters are suitable for fitting in homes, agricultural and horticultural premises as well as industrial and commercial properties.

## Principle of Operation

The DSTRP series is a mechanical inferential meter using the multi-jet principle. It is fitted with an integral direct reading sealed counter to totalise the volume passed. There is an optional pulsed reed switch output for remote instrumentation

## Construction

The body and head are made of brass with the body epoxy painted. The internal mechanism is made from wear resistant, antimagnetic and antiscaling plastic materials. The lid is made of shock resistant plastic. An internal filter is fitted to the inlet.

## Totaliser

The five digit counter and three dial counters provide a direct reading of the total to a resolution of 0.001 m<sup>3</sup> (i.e. 1 litre). The counter mechanism is sealed

from the line water in a special antifogging liquid and will not be affected by scaling or contaminated water.

## Calibration

All DSTRP water meters are individually calibrated. Hydraulic tests are carried out at 5 flowrates (Q1, Q2, Q3) on test rigs complying with standards ISO 4064/3 and ISO 4185, and are approved by a European notified body. A security tamper evident seal is fitted.

## Installation

The DSTRP water meters are suitable for installation in horizontal pipelines and should be fitted such that the arrow marked on the body corresponds with the direction of water flow. The upstream pipework should rise so that the outlet is higher than the meter inlet ensuring that the meter is kept full of water. The water meters should be easily accessible to enable a clear reading from the counter.

## Approvals

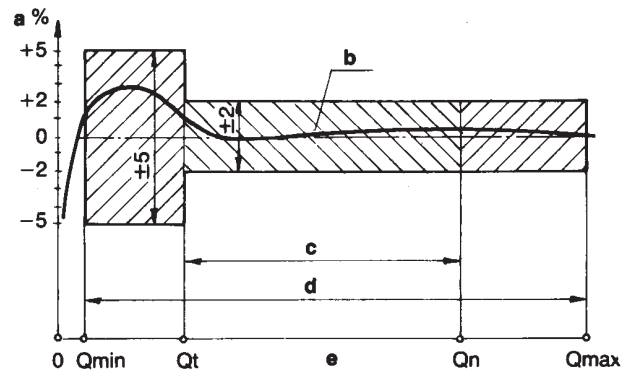
DSTRP water meters are MID approved to metrological class MID R (Q3/Q1)  $\leq 200H-\leq 50V$ . Meeting the requirements of Directive 2004/22/EC and European standard EN 14154.

# APOLLO

# DS Multijet Water Meter

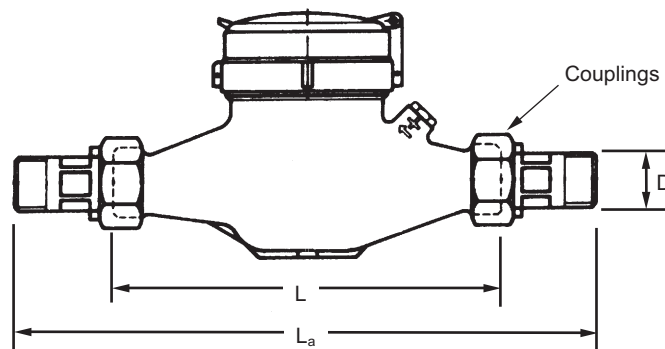
## Specifications

Capacity of 5 digit registers:	99,999 m <sup>3</sup>
Smallest reading of 4 dials:	0.001 m <sup>3</sup> ( 1 litre)
Maximum temperature:	50°C
Maximum pressure:	16 bar
Connections:	BSP couplings
Accuracy:	+/- 2% Q <sub>max</sub> -Q <sub>t</sub> +/- 5% Q <sub>t</sub> -Q <sub>min</sub>
Pulsed output ( 1 pulse):	1, 10 or 100 litres



Model	Size	Q <sub>min</sub>	Q <sub>t</sub>	Q <sub>n</sub>	Q <sub>max</sub>	Length without couplings	Length with couplings
	D inch	Flow Rate in m <sup>3</sup> /hour				L mm	L <sub>a</sub> mm
DSTRP15	1/2"	0.015	0.0225	1.5	3	145	225
DSTRP20	3/4"	0.025	0.0375	2.5	5	190	288
DSTRP25	1"	0.035	0.0525	3.5	7	260	378
DSTRP32	1 1/4"	0.05	0.075	5	10	260	378
DSTRP40	1 1/2"	0.1	0.15	10	20	300	438
DSTRP50	2"	0.45	3	15	30	300	461

## Dimensions



Contact our flow measurement specialists for advice on your application

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**APOLLO**

