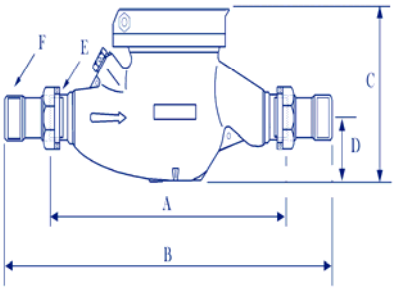
t +44 (0) 23 8066 9666
f +44 (0) 23 8066 9606
sales@johnsonvalves.com
www.johnsonvalves.com

Data Sheet
01.05
01/11

KENT (ELSTER) WATER METERS



M190

MULTI-JET TYPE WARM WATER METER CLASS B

Part No. M190

BRASS BODY WITH BSP THREADED CONNECTIONS SUITABLE FOR TEMPERATURES UP TO 90°C

The Kent M190 is a multi-jet warm water meter with a dry register. It operates on the velocity principle in which water enters the measuring chamber through a number of ports and drives the inner rotor. This movement is transmitted by a magnetic coupling to the register which displays the total quantity passed.

The register is dust-free, waterproof and vacuum sealed to avoid condensation. Numbered rollers show cubic metres, with pointers indicating litres.

This meter has a volt-free pulser incorporated within the register with the cable exiting from the side.

When installing this meter it is recommended that it is installed in a horizontal position with the register facing upwards.

Pulse Data

Output - 1 pulse per 100 litres
Type - Reed switch potted protection IP68
Contact Load - 24vDC max 50mA
Resistance - 100 Ohm
Cable - 3m long, Ø3.3mm, 3 x 0.14mm^2
Pulse contacts - Brown & White
Tamper Contact - Green & White

SIZE	A	B	C	D	E BSP	F BSP
DN15	165	205	115	31	3/4	1/2
DN20	190	240	115	31	1	3/4
DN25	260	320	130	43	1 1/4	1
DN30	260	320	130	43	1 1/2	1 1/4
DN40	300	370	153	46	2	1 1/2
DN50	270	330	153	46	2 1/2	2

Features & Benefits

- EEC approved.
- Calibration class B-H.
- Tamper resistant construction.
- Suitable for water with above average solids in suspension.
- Leak-proof construction.
- Pulse output facility.

Pressure & Temperature

Pressure range:-

Up to 16 bar.

Temperature Range:-

Up to 90°C.

CLASS B SPECIFICATIONS	DN	15	20	25	30	40	50
MAXIMUM FLOW RATE (Q_{max})	m³/h	3	5	7	12	20	30
NOMINAL FLOW RATE (Q_n)	m³/h	1.5	2.5	3.5	6	10	15
TRANSITIONAL FLOW RATE (Q_1)	l/h	120	200	200	480	800	1500
MINIMUM FLOW RATE (Q_{min})	l/h	25	35	35	80	150	200
OUTPUT PULSE*	litre/pulse	100/1	100/1	100/1	100/1	100/1	100/1