



KENT (ELSTER) WATER METERS

C4200

COMBINATION COLD WATER METER



Part No. C4200

CAST IRON BODY (EPOXY COATED) WITH FLANGED CONNECTIONS

The Kent C4200 is a combination meter which couples an H4000 high capacity meter with a smaller V100 volumetric rotary piston meter to give consistent accuracy over an extended range of flow rates. They are particularly suited to bulk flow metering in areas such as hospitals, factories and sports centres where large variations in flow rates can be expected.

Wide flow ranges are measured by utilising the low flow capability of a positive displacement meter and the higher flow efficiency of a Woltmann meter. At lower flows the water is directed through the smaller of the two meters. As soon as the flow reaches a pre-determined higher level, differential pressure causes the changeover valve located in the Woltmann meter to open and the flow is directed through both meters. Oscillation at the changeover point is eliminated by the valve's positive method of operation. The reverse procedure occurs with decreasing flows.

SIZE	A	B	C	D	E
DN150	500	207	138	348	143

Features & Benefits

- Designed to maximise revenue collections.
- High turndown ratio.
- Compact, in-line construction.
- Can be installed in horizontal, vertical or inclined pipelines.
- Pulse output facility.

Pressure & Temperature

Pressure range:-

Up to 16 bar.

Temperature Range:-

Up to 50°C.

SPECIFICATIONS	DN	150
MAX OVERLOAD FLOW RATE $\pm 2\%$	m ³ /h	600
MAX CONTINUOUS FLOW RATE $\pm 2\%$	m ³ /h	450
MIN CONTINUOUS FLOW RATE $\pm 2\%$	l/h	90
MIN FLOW RATE $\pm 5\%$	l/h	60
CHANGEOVER VALVE OPENING FLOW	m ³ /h	7.2
CHANGEOVER VALVE CLOSING FLOW	m ³ /h	4.6
MAIN METER OUTPUT PULSE (REED, OPTION 1)	litre/pulse	100/1
MAIN METER OUTPUT PULSE (REED, OPTION 2)	litre/pulse	10,000/1
MAIN METER OUTPUT PULSE (OPTICAL)	litre/pulse	10/1
BY-PASS METER OUTPUT PULSE (REED)	litre/pulse	5/1