

# Ajax

## Series CMS MECHANICAL FLOWMETERS



- High turn down ratio
- Accuracy +/- 5%
- Compact design
- Non ferrous construction
- Can be mounted in any attitude

The Series CMS Mechanical Flowmeters have been designed for accurate measurements of most types of liquids in the harshest of environments. The design is based on a spring loaded variable orifice in which the flow causes a sharp-edged plunger to move within a female cone. The movement is balanced by a spring such that it is proportional to flowrate. The plunger carries a magnet which transmits the movement to the indicating pointer.

The units are manufactured from non-ferrous materials and are therefore suitable for most liquids including sea water and oils. The screwed end connections are free to rotate, allowing easy installation and lining-up. The flowmeters have been extensively tested by the Royal Navy at the Admiralty Research Establishment, Halsar, and are used in the chilled water systems of many of the Navy's Ships, as well as on other systems in the engine rooms.

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## Specifications

MODEL No.	RANGE LIT / MIN	ACCURACY	WEIGHT KG	PROCESS CONNECTIONS
CMS 1015 / 10	1 – 10	+/- 5%	2.7	½" BSP Par.MALE
CMS 1015 / 25	2 – 25		2.7	½" BSP Par.MALE
CMS 1020 / 50	5 – 50		2.8	¾" BSP Par.MALE
CMS 1025 / 50	5 – 50		3	1" BSP Par.MALE
CMS 1025 / 70	10 – 70		3	1" BSP Par.MALE
CMS 1032 / 100	10 - 100		5.8	1 ¼" BSP Par.MALE
CMS 1040 / 100	20 - 200		6	1 ½" BSP Par.MALE

**Max Working Pressure:** 14 BAR G

**Operating Temperature Range:** 0-100°C

**Pressure Drop at maximum Flow:** 0.5 BAR G

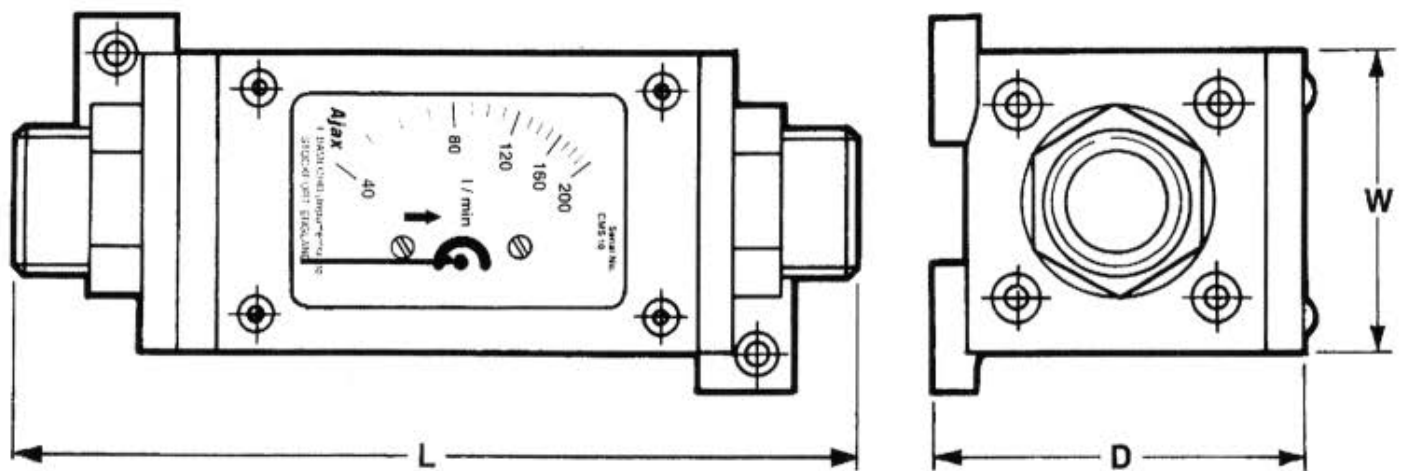
**Wetted Parts:** Stainless Steel 316

**Body:** Gunmetal BS EN 1982 LG2/LG4

*Other sizes and special units are available on request  
Including high pressure units for hydraulic systems.*

The company's policy is one of continuous product development and we reserve the right to modify the specification without notice.

## Dimension Drawing



MODEL No.	LENGTH	WIDTH	DEPTH
CMS 1015 / 10	164.0	68	81
CMS 1015 / 25	164.0	68	81
CMS 1020 / 50	164.0	68	81
CMS 1025 / 50	164.0	68	81
CMS 1025 / 70	164.0	68	81
CMS 1032 / 100	251.4	76	89
CMS 1040 / 100	226.0	76	89



Certificate No: FM 13215