



Achievers



ACCURATE SOLUTIONS FOR FLOW MEASUREMENT

- INDUSTRY LEADER
- OVER 5 YEARS OF EXPERIENCE
- EFFICIENT AND DURABLE PRODUCTS
- WIDE RANGE OF SELECTION



CE - 213

ACHIEVERS FLAMEPROOF FLOW METER

The CE-213 flp positive displacement oval gear flow meters are similar in design to the gear pump. The principle of operation is reversed; instead of the gears driving the medium, the medium drives the gears. A non-intrusive magnetic pickup or hall-effect sensor detects the movement of the gear and as each gear tooth passes the sensor a square wave pulse is produced and a discrete volume of liquid is measured. The resulting pulse train is proportional to the actual flow rate and provides a highly accurate representation of the fluid flow. All meters are designed with highly wear resistant moving parts to provide exceptionally long service life.

Features

- High accuracy
- Wide Range of Viscosity
- Display Available in DC and AC Power Supply Options
- High resolution of display
- Suitable For Low Flow Rates
- FlameProof Display
- 4 ~ 20 ma and RS 485 Output Available

Technical Details

Enclosure :Aluminium anodize / SS 304 / SS 316

Rotor :Aluminium anodize / SS 316 / PPS

O-ring : NBR / Viton

Shaft : Hard Stainles Steel-316

Accuracy (standard installation position) : $\pm 0.5\%$ FSD

Maximum working pressure 10Mpa (35~85% RH)

Max. Temp : 140 °C

Power voltage : -5/24 V DC

Output : High electric level : Less than 4.5 VDC (input voltage 5 VDC)

Low electric level : Higher THAN 0.5 vdc (INPUT VOLTAGE 5 VDC)

Connection : Thread (M/F) or Flange

Selection Guide :

<u>MODEL & SIZE</u>	<u>FLOW RANGE</u>	<u>1/K-FACTOR (P/L)</u>
CE-213-006	(5~150L/H)	0.000661 P/L
CE-213-008	(20~300L/H)	0.0025 P/L
CE-213-010	(50~800L/H)	0.0025 P/L
CE-213-015	(80~1,500L/H)	0.0085 P/L
CE-213-020	(150~2,000L/H)	0.0154 P/L
CE-213-025	(200~4,000L/H)	0.0256 P/L
CE-213-040	(500~10,000L/H)	0.086 P/L
CE-213-050	(600~20,000L/H)	0.19 P/L
CE-213-065	(800~30,000L/H)	0.36 P/L
CE-213-080	(1,000~50,000L/H)	0.54 P/L
CE-213-100	(2,000~100,000L/H)	1.0 P/L
CE-213-150	(5,000~150,000L/H)	3.2 P/L

Wiring Connection :



Calibration Details :

- Pulse/litre written on each sensor body
- Calibrated with pure diesel.
- Each Sensor Calibrated at three different pressures 0.5 bar, 4 bar, and 25 bar.
- All pressure calculate pulse/litter at : 25%, 50%, 75% and 100% flow range

CONTACT US



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Some of Our Clients

