

High Pressure Liquid Flow Meter



DS1171

Features:

- Works in any orientation
- Pressure up to 350 bar (5000 psi)
- Accuracy $\pm 5\%$ FSD
- Repeatability $\pm 1\%$ FSD
- Direct reading
- Relatively insensitive to viscosity changes
- Oil or water calibrated



Description:

These metal-bodied flow meters operate using a spring-loaded orifice moving over a tapered cone, to achieve a variable area meter. Flow is indicated by a magnetic follower ring under a scale on an external glass tube. The flow reading is independent of viscosity up to 200 cs.

Applications:

- Flow visualisation

Connections	BSP Female
Body	Nickel Plated Brass CZ114
Accuracy	$\pm 5\%$ FSD
Repeatability	$\pm 1\%$ FSD
Rangeability	10 - 100% FSD
Pressure	350 bar max
Temperature	90°C max
Calibration	Oil (SG 0.856) at 20°C Water at 20°C

General Note

TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

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High Pressure Liquid Flow Meter



SKU	Description
FFLL111	Oil Flow Range 0.2 - 2 L/min, ¼" BSP Connection and 123mm in length
FFLL121	Oil Flow Range 0.5 - 4.5 L/min, ¼" BSP Connection and 123mm in length
FFLL131	Oil Flow Range 1 - 9 L/min, ¼" BSP Connection and 123mm in length
FFLL211	Oil Flow Range 2 - 20 L/min, ½" BSP Connection and 166mm in length
FFLL221	Oil Flow Range 5 - 46 L/min, ½" BSP Connection and 166mm in length
FFLL311	Oil Flow Range 5 - 55 L/min, ¾" BSP Connection and 190mm in length
FFLL321	Oil Flow Range 10 - 100 L/min, ¾" BSP Connection and 190mm in length
FFLW111	Water Flow Range 0.2 - 2 L/min, ¼" BSP Connection and 123mm in length
FFLW121	Water Flow Range 0.5 - 4.5 L/min, ¼" BSP Connection and 123mm in length
FFLW131	Water Flow Range 1 - 9 L/min, ¼" BSP Connection and 123mm in length
FFLW211	Water Flow Range 2 - 20 L/min, ½" BSP Connection and 166mm in length
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