

The Basic Inline Variable Area flow meter is ideal for monitoring pump performance and oil or water flows through hydraulic circuits and cooling systems. Often referred to as “rotameters,”

The superior design not only makes this flow meter weather-proof for outdoor environments and wash-downs, but also reliable offering maintenance-free performance.

Features

Choice of Materials

Select from aluminum, brass or stainless steel to meet system and liquid requirements

Unrestricted Mounting

Allows for horizontal, vertical or inverted installation and does not require straight plumbing on inlet or outlet

Superior Exterior Design

Weather-tight for use outdoors and/or on systems where wash downs are required

Rugged and Reliable

These meters are constructed with all metal pressure vessels that allow safe and permanent installation

High Pressure Operation

The magnetically coupled follower design allows operation to 410 bar

Multiple Ports Available

Standard selection of NPT, SAE and BSPP ports reduces the amount of adapters required for installation



Technical Specifications

Measuring Accuracy

±2.0% of full scale

Repeatability

±1% of full scale

Flow Measuring Range

0.1-150 GPM (0.5-550 LPM)

Maximum Operating Pressure

Aluminium and brass monitors: 3500 PSIG (240 bar)
Stainless steel: 6000 PSIG (410 bar)

Maximum Operating Temperature

Media: 185°F (85°C)
Ambient: 185°F (85°C)

Standard Calibration Fluids

Oil meters: DTE 25® @ 110°F (43°C), 0.873 sg
Water meters: tap water @ 70°F (21°C), 1.0 sg

Filtration Requirements

74 micron filter or 200 mesh screen minimum

Viscosity

Standard viscosities up to 110 cSt.
For viscosities between 110 to 430 cSt contact factory.

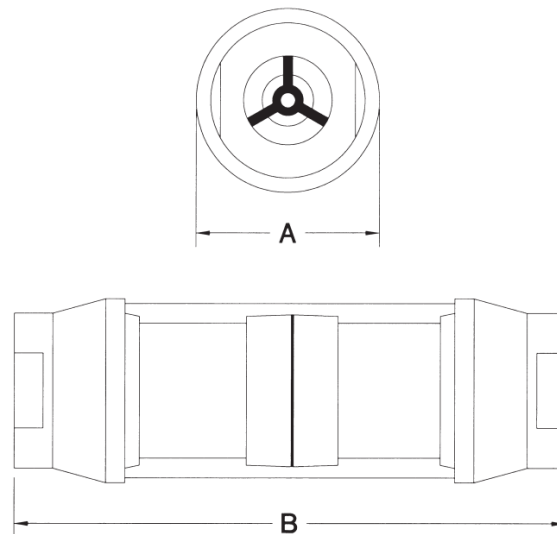
DTE 25 is a registered trademark of Exxon Mobil.

Materials Of Construction

	Aluminium	Brass	Stainless Steel
Non-Wetted Components			
Window Tube	Polycarbonate	Polycarbonate	Polycarbonate
Window Seals	Buna-N [®] (STD), PTFE	Buna-N [®] (STD), PTFE	Buna-N [®] (STD), PTFE
Wetted Components			
Casing & End Ports	Anodised Aluminium	Brass	Stainless Steel
Seals	Buna-N [®] (STD), EPR, FKM or FFKM	Buna-N [®] (STD), EPR, FKM or FFKM	Buna-N [®] (STD), EPR, FKM or FFKM
Transfer Magnet	PTFE coated Alnico	PTFE coated Alnico	PTFE coated Alnico
All other internal parts	Stainless Steel	Stainless Steel	Stainless Steel

Buna-N is a registered trademark of Chemische Werke Huls.

Dimensions



DIM	Series 3	Series 4	Series 5	Series 5 (2" Port only)
A	1-7/8" (48mm)	2-3/8" (60mm)	3-1/2" (90mm)	3-1/2" (90mm)
B	6-9/16" (167mm)	7-5/32" (182mm)	10-1/8" (258mm)	12-5/8" (322mm)

Products may be subject to change without notice - Contact us for the most up-to-date product information.

