CASE DRAIN FLOW METER

Case Drain Flow Meter is a low cost alternative for monitoring pump performance and identifying required maintenance.



TECHNICAL SPECIFICATIONS

Measuring Accuracy ±5% of full scale

Repeatability ±1% of full scale

Flow Measuring Range 0.1-30 GPM (0.5-115 LPM)

Maximum Operating Pressure 1000 PSIG (69 Bar)

Maximum Operating Temperature 240°F (116°C)

DTE 25 is a registered trademark of Exxon Mobil.

MATERIALS OF CONSTRUCTION

Wetted Components **Non-Wetted Components** Materials Component Component Materials Casing Anodized Aluminum Window Tube Polycarbonate Ports Non-anodized Aluminum Seals Buna-N® Window Seals Buna-N® Transfer Magnet PTFE coated Alnico All other internal parts Stainless Steel

BENEFITS

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.

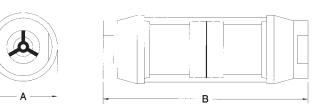
Rugged and Reliable

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

Multiple Ports Available

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





MECHANICAL - SIZE CODE

DIM	Series 3	Series 4
А	1-7/8" (48mm)	2-3/8" (60 mm)
В	6-9/16" (167mm)	7-5/32" (182mm)

SAE and BSPP porting also available. Contact factory for more information.

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.

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PART NUMBER GUIDE

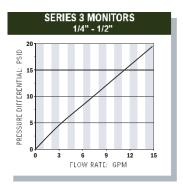
CASE DRAIN PORT/LINE SIZE RANGE		FLOW RANGE	ES (OIL & WAT	ER)
1/2" NPTF = 3	1000 psig = 5	Liquid		Si
3/4" - 1" NPTF = 4		0.1-1.0 GPM	0.5-4 LPM	3 (
	FLUID MEDIA	0.2-2.0 GPM	1-8 LPM	3 8
MATERIAL		0.5-5.0 GPM	2-19 LPM	3 8
	Oil = H	1-10 GPM	5-37.5 LPM	3
Aluminum = A	Water & 1.0 specific gravity =	1-15 GPM	5-55 LPM	3 8
		2-20 GPM	10-75 LPM	4
	THREAD TYPE	2-25 GPM	10-95 LPM	4
	NON-ANODIZED STANDARD	4-30 GPM	15-115 LPM	4
	Porting (All Female) Size Code			
	1/2" NPTF, dry seal = B 3 Only 3/4" NPTF, dry seal = C 4 Only			

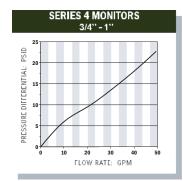
1" NPTF, dry seal

SAE and BSPP porting also available for an additional charge. Contact factory for more information.

= D 4 Only

TYPICAL PRESSURE DIFFERENTIALS





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



Size

3 Only

3 & 4

3 & 4

3 & 4

3 & 4

4 Only

4 Only

4 Only

0 1

5

0 2

0

1 0

1 5

2 0

3 0

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= 2 5

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