

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)

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.

MATERIALS OF CONSTRUCTION

Wetted Components		Non-Wetted Components	
Component	Materials	Component	Materials
Casing	Anodized Aluminum	Window Tube	Polycarbonate
Ports	Non-anodized Aluminum		
Seals	Buna-N®	Window Seals	Buna-N®
Transfer Magnet	PTFEcoated 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

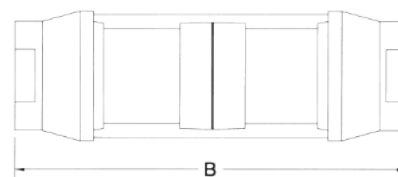
Weather-tight for use outdoors and/or on systems where wash-downs are required.

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
A	1-7/8" (48mm)	2-3/8" (60 mm)
B	6-9/16" (167mm)	7-5/32" (182mm)

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PART NUMBER GUIDE

Diagram illustrating the part number structure: **C** [] [] - [] [] [] - [] []

CASE DRAIN = **C**

PORT/LINE SIZE RANGE

1/2" NPTF = **3**
 3/4" - 1" NPTF = **4**

MATERIAL

Aluminum = **A**

PRESSURE RATING

1000 psig = **5**

FLUID MEDIA

Oil = **H**
 Water & 1.0 specific gravity = **W**

THREAD TYPE

NON-ANODIZED STANDARD

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 = **D** 4 Only

FLOW RANGES (OIL & WATER)

Liquid	Size	Code
0.1-1.0 GPM 0.5-4 LPM	3 Only	0 1
0.2-2.0 GPM 1-8 LPM	3 & 4	0 2
0.5-5.0 GPM 2-19 LPM	3 & 4	0 5
1-10 GPM 5-37.5 LPM	3 & 4	1 0
1-15 GPM 5-55 LPM	3 & 4	1 5
2-20 GPM 10-75 LPM	4 Only	2 0
2-25 GPM 10-95 LPM	4 Only	2 5
4-30 GPM 15-115 LPM	4 Only	3 0

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

TYPICAL PRESSURE DIFFERENTIALS

