

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.

DTE 25 is a registered trademark of Exxon Mobil.

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 | 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

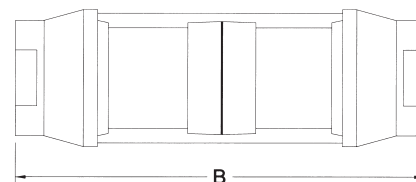
Weather-tight for use outdoors and/or on systems where wash-downs are required.

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

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

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PART NUMBER GUIDE

CASE DRAIN

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**

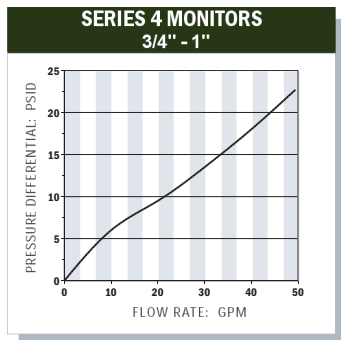
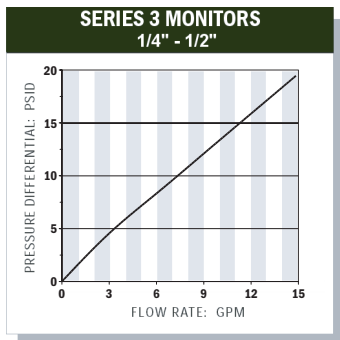
1/2" NPTF, dry seal = **B** 3 Only
 3/4" NPTF, dry seal = **C** 4 Only
 1" NPTF, dry seal = **D** 4 Only

FLOW RANGES (OIL & WATER)

| Liquid | Size | |
|----------------------------|--------|--------------|
| 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



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