

Описание на двунаправленные расходомеры. Серия В

По вопросам продаж и поддержки обращайтесь: aen@nt-rt.ru

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BI-DIRECTIONAL VARIABLE AREA FLOW METER

Ideal for monitoring pump performance and media flows through hydraulic circuits and cooling systems.



TECHNICAL SPECIFICATIONS

Measuring Accuracy

±4.0% of full scale

Repeatability

±1% of full scale

Flow Measuring Range

0.5-100 GPM (2-350 LPM)

Maximum Operating Pressure

Aluminum and brass meters: 3500 PSIG (240 Bar)

Stainless steel meters: 6000 PSIG (410 Bar)

Maximum Operating Temperature

240°F (116°C) Note: for operation to 600°F (316°C), see our High Temperature Data sheet.

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

Viscosities up to 110 cSt

DTE 25 is a registered trademark of Exxon Mobil.

BENEFITS

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.

Bi-Directional

Measures bi-directional flow measurement for liquids.

Rugged and Reliable

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

High Pressure Operation

The magnetically coupled follower design allows operation to 6000 PSIG.

Multiple Ports Available

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

MATERIALS OF CONSTRUCTION (NON-WETTED COMPONENTS)

	Aluminum	Brass	Stainless Steel
Window Tube	Polycarbonate	Polycarbonate	Polycarbonate
Window Seals	Buna-N® (STD), PTFE	Buna-N® (STD), PTFE	Buna-N® (STD), PTFE

MATERIALS OF CONSTRUCTION (WETTED COMPONENTS)

	Aluminum	Brass	Stainless Steel
Casing & End Ports	Anodized Aluminum	Brass	Stainless Steel
Seals	Buna-N® (STD), EPR, FKM or FFKM	Buna-N® (STD), EPR, FKM or FFKM	FKM with PTFE backup (STD), Buna-N®, EPR 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.

Ideal for monitoring pump performance and media flows through hydraulic circuits and cooling systems.

BASIC

PORT SIZE RANGE

MATERIAL

MAX. PRESSURE RATING

FLUID MEDIA

1/4" - 1/2" =

3/4" - 1" =

1-1/4 - 2" =

Aluminum =

Brass =

Stainless Steel =

3500 psig (liquids, aluminum & brass) =

6000 psig (liquids, stainless steel) =

Oil @ 0.873 specific gravity =

Water @ 1.0 specific gravity =

PORTING/THREAD TYPE

(all female)

1/4" NPTF, dry seal

3/8" NPTF, dry seal

1/2" NPTF, dry seal

3/4" NPTF, dry seal

1" NPTF, dry seal

#6 SAE, O-ring seal

#8 SAE, O-ring seal

#10 SAE, O-ring seal

#12 SAE, O-ring seal

#16 SAE, O-ring seal

1-1/4" NPTF, dry seal

1-1/2" NPTF, dry seal

2" NPTF, dry seal

#20 SAE, O-ring seal

#24 SAE, O-ring seal

#32 SAE, O-ring seal

1/4" BSPP

3/8" BSPP

1/2" BSPP

3/4" BSPP

1" BSPP

1-1/4" BSPP

1-1/2" BSPP

2" BSPP

Size

3 only =

3 only =

3 only =

4 only =

4 only =

3 only =

3 only =

3 only =

4 only =

4 only =

5 only =

5 only =

5 only =

5 only =

5 only =

5 only =

3 only =

3 only =

4 only =

4 only =

5 only =

5 only =

5 only =

CUSTOM PRODUCT

OPTIONAL FLOW DIRECTIONS

FLOW RANGES

Bi-Directional Flow =

Liquid

0.5-5.0 GPM

2-19 LPM

1-10 GPM

1-15 GPM

2-20 GPM

4-30 GPM

6-50 GPM

6-75 GPM

10-100 GPM

2-19 LPM

5-37.5 LPM

5-55 LPM

10-75 LPM

15-115 LPM

20-190 LPM

30-280 LPM

50-375 LPM

Size

3 only =

3 & 4 =

3 & 4 =

4 only =

4 only =

5 only =

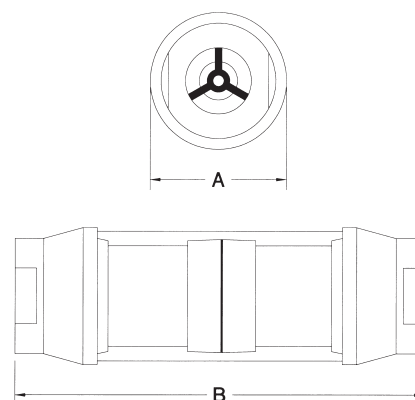
5 only =

5 only =

Note: For special scales consult the factory.

Note: SAE porting not available in Brass. Consult factory for SAE brass meter requirements.

DIM	Series 3	Series 4	Series 5	Series 5 (2" port only)
A	1-7/8" (48mm)	2-3/8" (60 mm)	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)





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