B SERIES BASIC INLINE FLOW METER

BENEFITS

Choice of Materials
Select from aluminium, 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 414 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
0.5-550 LPM

Maximum Operating Pressure Aluminium and Brass meters: 240 Bar
Stainless Steel meters: 410 Bar

Maximum Operating Temperature 116°C

Standard Calibration Fluids
Oil meters: DTE 25® @ 43°C, 0.873 sg
Water meters: tap water @ 21°C, 1.0 sg

Filtration Requirements
74 micron filter or 200 mesh screen minimum

Viscosity Standard
viscosities up to 110 cSt.

MATERIALS OF CONSTRUCTION (NON-WETTED COMPONENTS)

	Aluminium	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)

	Aluminium	Brass	Stainless Steel
Casing& End Ports Brass	Anodized Aluminum		Stainless Steel
Seals	Buna-N®(STD), EPR, FKM or FFKM	Buna-N®(STD), EPR, FKM or FFKM	FKM with PTFEbackup (STD), Buna-N®, EPRor FFKM
Transfer Magnet	PTFEcoated Alnico Alnico	PTFEcoated Alnico	PTFEcoated
All other internal parts	Stainless Steel	Stainless Steel	Stainless Steel

PART NUMBER GUIDE

B □ □ – □ □ □ – □ □ □ □ – □ □ □ □

BASIC

PORT SIZE

1/4" - 1/2"= 3
3/4" - 1" = 4
1-1/4 - 2" = 5

MATERIAL

Aluminium= A
Brass = B
Stainless Steel = S

PRESSURE RATING

241 Bar Aluminium & Brass = 6
414 Bar Stainless Steel = 7

FLUID MEDIA

Oil @ 0.873 SG = H
Water @ 1.0 SG = W

PORTING/THREAD TYPE

(all female)	Size	
1/4" NPTF, dry seal	3 only	= S
3/8" NPTF, dry seal	3 only	= A
1/2" NPTF, dry seal	3 only	= B
3/4" NPTF, dry seal	4 only	= C
1" NPTF, dry seal	4 only	= D
#6 SAE, O-ring seal	3 only	= E
#8 SAE, O-ring seal	3 only	= F
#10 SAE, O-ring seal	3 only	= G
#12 SAE, O-ring seal	4 only	= H
#16 SAE, O-ring seal	4 only	= J
1-1/4" NPTF, dry seal	5 only	= K
1-1/2" NPTF, dry seal	5 only	= L
2" NPTF, dry seal	5 only	= M
#20 SAE, O-ring seal	5 only	= N
#24 SAE, O-ring seal	5 only	= P
#32 SAE, O-ring seal	5 only	= Q
3/8" BSPP	3 only	= R
1/2" BSPP	3 only	= T
3/4" BSPP	4 only	= U
1" BSPP	4 only	= V
1-1/4" BSPP	5 only	= W
1-1/2" BSPP	5 only	= Y
2" BSPP	5 only	= X

SPECIAL /CUSTOM PRODUCT

OPTIONAL FLOW DIRECTIONS

Standard Flow, Uni-Directional = □ □
Reverse Flow = R F
Bi-Directional Flow *(For bi-directional flow refer to bi-directional data sheet.*

FLOW RANGES

Liquid	Size	
0.5-4 LPM	3 only	= 0 1
1-8 LPM	3 & 4	= 0 2
2-19 LPM	3 & 4	= 0 5
5-37.5 LPM	3 & 4	= 1 0
5-55 LPM	3 & 4	= 1 5
10-75 LPM	4 only	= 2 0
10-95 LPM	4 & 5	= 2 5
15-115 LPM	4 only	= 3 0
20-150 LPM	4 only	= 4 0
20-190 LPM	4 & 5	= 5 0
30-280 LPM	5 only	= 7 5
50-375 LPM	5 only	= 8 8
100-550 LPM	5 only	= 9 9

MECHANICAL - SIZE CODE

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