Product Information - IZMAG **FOOD**

"IZMAG" Electromagnetic Flowmeter

Introduction

The IZMAG is Anderson-Negele's next generation of electromagnetic flow meter. Building on the qualities that have made it's predecessor, the IZMS meter, the industry standard in accuracy and longevity, the IZMAG incorporates new design and performance features that allow the IZMAG to excel in the most demanding sanitary processing environment.

From the outside, one will recognize that a compact, all stainless steel housing now provides the highest level of protection from the cleaning chemicals and environmental extremes present in food processing facilities. A standard backlit graphic display provides the metering information not only as numbers and text but also has the ability to display images. By using images along with text a more intuitive feel to navigation is achieved making the programming experience quicker and simpler. On the inside a PFA liner offers increases in pressure, temperature and vacuum capability. This new liner gives the IZMAG the ability to satisfy an expanded list of high temperature and aseptic applications .

In addition to the other features the flow meter has a compact overall size allowing installation into tight fitting applications without a sacrifice in measurement performance.

Complete specifications and ordering information are available on the reverse side. For more information please visit our website at www.anderson-negele.com or contact your local authorized Anderson-Negele distributor.

Authorizations

Features

- ± 0.20% accuracy
- Compact design fits challenging applications
- Stainless steel housing suitable for all processing environments
- 3-A compliant; Third party verified in accordance with standard 28-04

Applications

- Milk
- Cream
- Beer
- Tomato Paste
- Sauces
- Molasses
- Yogurt
- Slurries
- Concentrates
- Cleaning solutions

Specifications

PERFORMANCE

Accuracy: ± .20% of rate* (* ± 1 mm/sec)

Size	Operational gal/min	Flow Range ltr/min
10	0.14 - 14	0.53 - 53
15	0.3 - 30	1.13 - 113
25	0.8 - 80	3.0 - 300
32	1.3 - 130	5.0 - 500
40	2-200	7.5-750
50	3 - 300	11.7 - 1166
65	5.2 - 525	20 - 2000
80	8 - 800	30 - 3000
100	12 - 1200	46 - 4667

OPERATING / ENVIRONMENTAL

Temperature Limits: 32-212°F (0-100°C) Process
32-325°F (0-163°C) remote electronics
Ambient Temperature DC -12 – 130°F(-25-55°C)
AC -12 – 120°F(-25-45°C)
Pressure Rating: 1.4-145 psi abs.
.1 – 11 bar abs.
Product Requirements: 5 µS min. conductivity
15 µS/cm minimum for remote electronics
Approvals: ETL, CE(excluding ethernet), 3-A

MATERIALS / CONSTRUCTION

Product Contact Surfaces: PFA 316L SS, EPDM, Silicone for temperature over 250°F
Housing: 304 SS
Enclosure Rating: IP 67
Process Connection Type: Tri-clamp®, Cherry I-line

ELECTRICAL / POWER / SIGNAL

Power Requirement: 9-32 VDC 7W/V.A.
100-240 VAC 50-60hz
-15% / + 10% 7W/V.A.
Signal Output: (2) digital pulse output 24VDC @20 mA
(1) digital status output 24VDC @20 mA
(1) 4-20mA passive/active Optional 2nd 4-20mA w/Hart (passive)
Control Input: (1) 9-32 VDC R<3.2kohms
Connections: (3) M16 ports with cord grips and ½" conduit adapters
Display: Graphic LCD 46 X23mm illuminated
Communications: Hart ver. 6, CS3 BUS Optional: Ethernet IP

Order Information

IZMAG ☐☐☐ ☐ ☐ ☐ 0 ☐ ☐ ☐ ☐☐☐☐

FLOW TUBE SIZE
010 1/2"
015 3/4"
025 1"
032 1-1/2"
040 1-1/2"
050 2"
065 2-1/2"
080 3"
100 4"

DISPLAY
D Display
B Blind (display not visible)

OPERATING POWER
0 24 VDC
1 110 - 220 VAC

OUTPUT OPTIONS
0 2 pulse, 1 analog
1 2 pulse, 2 analog, Hart
2 2 pulse, 1 analog, Ethernet I/P [1]

CALIBRATION
0 Standard ± 0.20%

COUNTRY DESTINATION
0 Standard
C Canada

ELECTRICAL CONNECTIONS
0 Cord grips and NPT adapters
1 M12 Electrical Connections (DC only) (integral only)

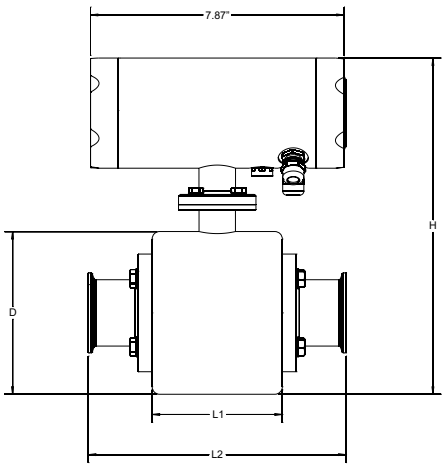
ELECTRONICS MOUNTING
00 Integral Electronics
R0 Remote w/ 25' cable
R1 Remote w/ 50' cable
R2 Remote w/ 75' cable
R3 Remote w/ 100' cable

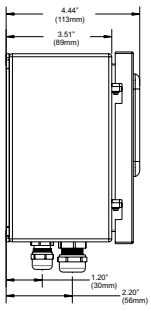
METER LENGTH
0 Standard
1 13.25" replacement for IZM/S/L(not available with sizes 010 or 040)
2 9.88" replacement for PD 340 (not available with sizes 010,040,015)

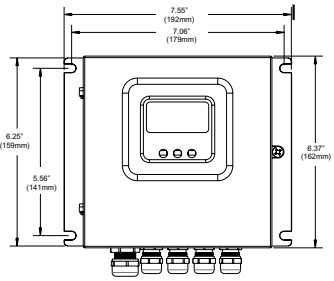
ELASTOMER
A Standard (EPDM)
B Silicone

FITTING
S Tri-Clamp®
Cherry-Burrell I-line
(not available with size 010, 015 or 040 only available with length option 0)

[1] available only on 24VDC







Flowtube	D	H	L1	L2 Length Option 0	L2 Length Option 1	L2 Length Option 2	L2 Fitting Option I	Weight (lbs)
1/2"	3.54"	8.86"	4.09"	6.75"	-	-	-	14.4
3/4"	3.54"	8.86"	4.09"	8.00"	13.25"	9.88"	13"	14.4
1"	3.54"	8.86"	4.09"	8.00"	13.25"	9.88"	13"	14.6
1-1/2" (032)	4.13"	9.45"	4.09"	8.00"	13.25"	9.88"	13"	17.0
1-1/2" (040)	4.13"	9.45"	4.09"	8.00"	-	-	-	17.0
2"	5.12"	10.43"	4.09"	8.00"	13.25"	9.88"	13"	19.8
2-1/2"	5.12"	10.43"	6.30"	9.00"	13.25"	9.88"	13"	25.3
3"	6.10"	11.42"	6.30"	9.88"	13.25"	9.88"	13"	37.4
4"	6.69"	12.01"	7.87"	11.90"	13.67"	-	14"	50.5

CSI
417.831.1411
csidesigns.com