



Product Catalog

Manufacturing EDD Turbine Flow Meters Since 1980

The information in this document is reviewed regularly and any necessary changes will be incorporated in the next revision.
We welcome any suggestions for improvement.

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Phone
432-366-8699

Fax
432-366-1106

P.O. Box 12128
Odessa, Texas 79768
USA

E-mail
rk@eddevices.com

Website
www.eddevices.com

Electronic Data Devices Contacts

Bob Williams
President

Office 432-366-8699
Fax 432-366-1106

Hal Hulett
Manager

Office 432-366-8699
Fax 432-366-1106

Mike Jolly
Service Manager

Office 432-366-8699
Fax 432-366-1106



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Fax
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Turbine Flow Meters Flow Range								
Size								Max Output
Inch	MM	GPM	BPM	BPD	LPM	M ³ /D	Pulses P/Gal	Frequency Pulses P/ Sec
3/8	10	.3 – 3	.007 – .07	10 – 100	1.14 – 11.36	1.6 – 16	22000	1100
1/2	13	.75 – 7.5	.01 – .17	25 – 250	2.84 – 28.39	4 – 40	14500	1815
3/4	19	2 – 15	.05 – .33	68 – 515	7.57 – 56.78	11 – 80	2950	740
7/8	22	3 – 30	.07 – .71	100 – 1000	11.36 – 113.56	16 – 160	2350	1175
1	25	5 – 50	.11 – 1.19	170 – 1700	18.93 – 189.27	27 – 270	900	750
1 1/2	38	15 – 180	.35 – 4.3	515 – 6000	56.78 – 681.35	80 – 1100	325	975
2	51	40 – 400	.9 – 9.3	1300 – 13000	151 – 1514	210 – 2100	55	365
3	76	60 – 600	1.4 – 14.3	2100 – 21000	227 – 2271	320 – 3200	57	570
4	102	100 – 1200	2.4 – 28.5	3400 – 41000	380 – 4542	545 – 6541	30	600
6	152	200 – 2500	4.7 – 60	6800 – 86000	757 – 9464	1090 – 13628	7	290
8	203	350 – 3500	8.3 – 83	12000 – 120000	1325 – 13250	1907 – 19078	3	175
10	550	550 – 5500	13 – 130	19000 – 180000	1892 – 18926	2725 – 27255	1.6	147

Material Specifications	
Flow Meter Body	316 S.S. or A-286 Alloy
Support Vanes	316 S.S.
Rotor	CD4MCu
Sleeve Bearings	Tungsten Carbide
Shaft	Tungsten Carbide
Thrust Ball	Ceramic
Performance Specifications	
Repeatability	Within $\pm 0.1\%$ of indicated flow throughout the linear flow range
Accuracy	Within $\pm 1\%$ of reading Note 3/8" $\pm 2\%$



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Turbine Flow Meters

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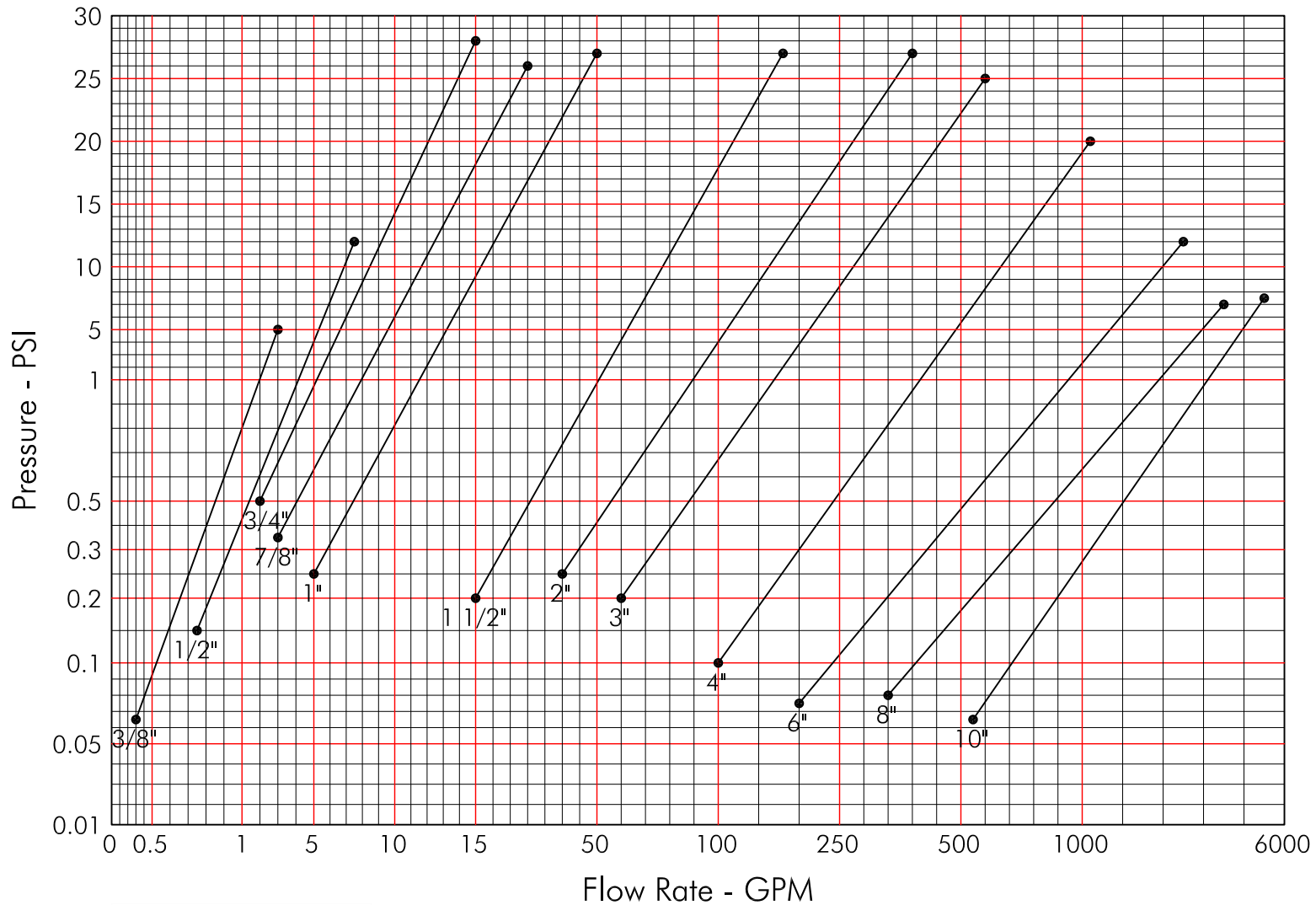
Phone
432-366-8699

Fax
432-366-1106

Email
rkw@eddevices.com

Website
www.eddevices.com

Pressure Drop Curves



Electronic Data Devices
Turbine Flow Meters

Phone
432-366-8699

Fax
432-366-1106

P.O. Box 12128
Odessa, Texas 79768
USA

E-mail
rkw@eddevices.com

Website
www.eddevices.com



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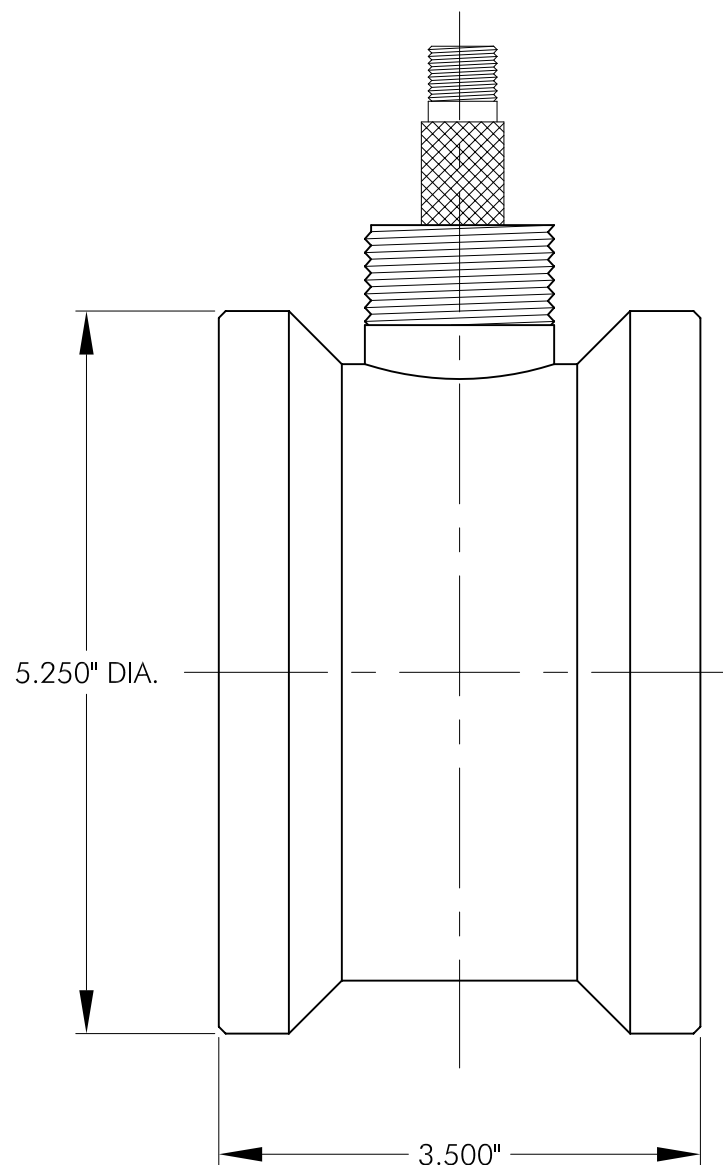
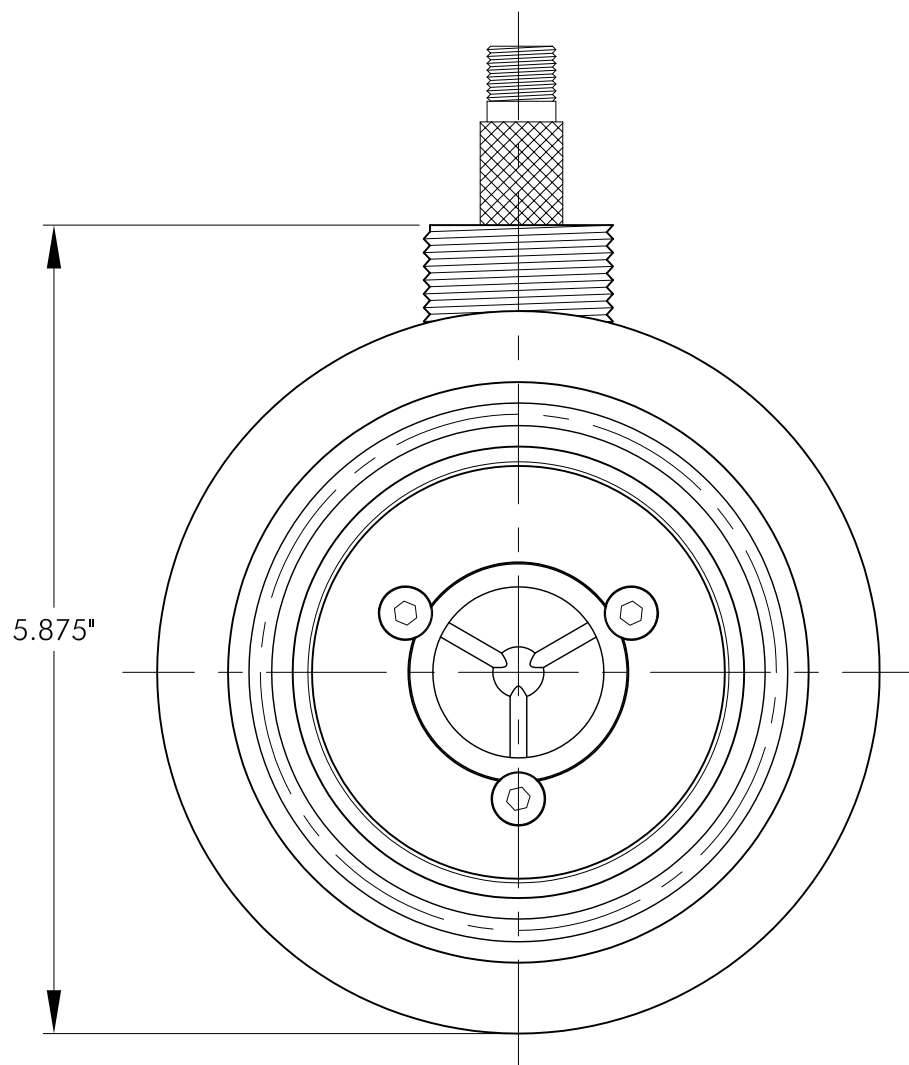
Turbine Flow Meters



Ring Joint Turbine Flow Meters

Electronic Data Devices offers a line of turbine flow meters that are available with ranges from 2 GPM to 400 GPM covering a wide range of measurement applications. Our turbine flow meters are manufactured to the highest quality standards. Some of the typical applications include: oilfield waterflood, production, well servicing, pipelines, mining, chemicals, food and beverage industry, and most other liquid applications.

Ring joint turbine flow meters are available in the following sizes: 3/4", 1", 1 1/2" and 2". Operating pressure is determined by the rating of the gasket and are available in either 1500 series or 2500 series ring joints.



NOTE: DRAWING NOT TO SCALE

SPECIFICATIONS:

FLOW RATE: 2-15 GPM

PRESSURE RATING: 1500 PSI

NOTE:

3/4" TURBINE REPAIR KIT PART NUMBER: 6.075

FLOW METER INSTALLATION DRAWING

3/4" x 2" RING JOINT FLOW METER , PART NO. 6.0750-1500#RJ

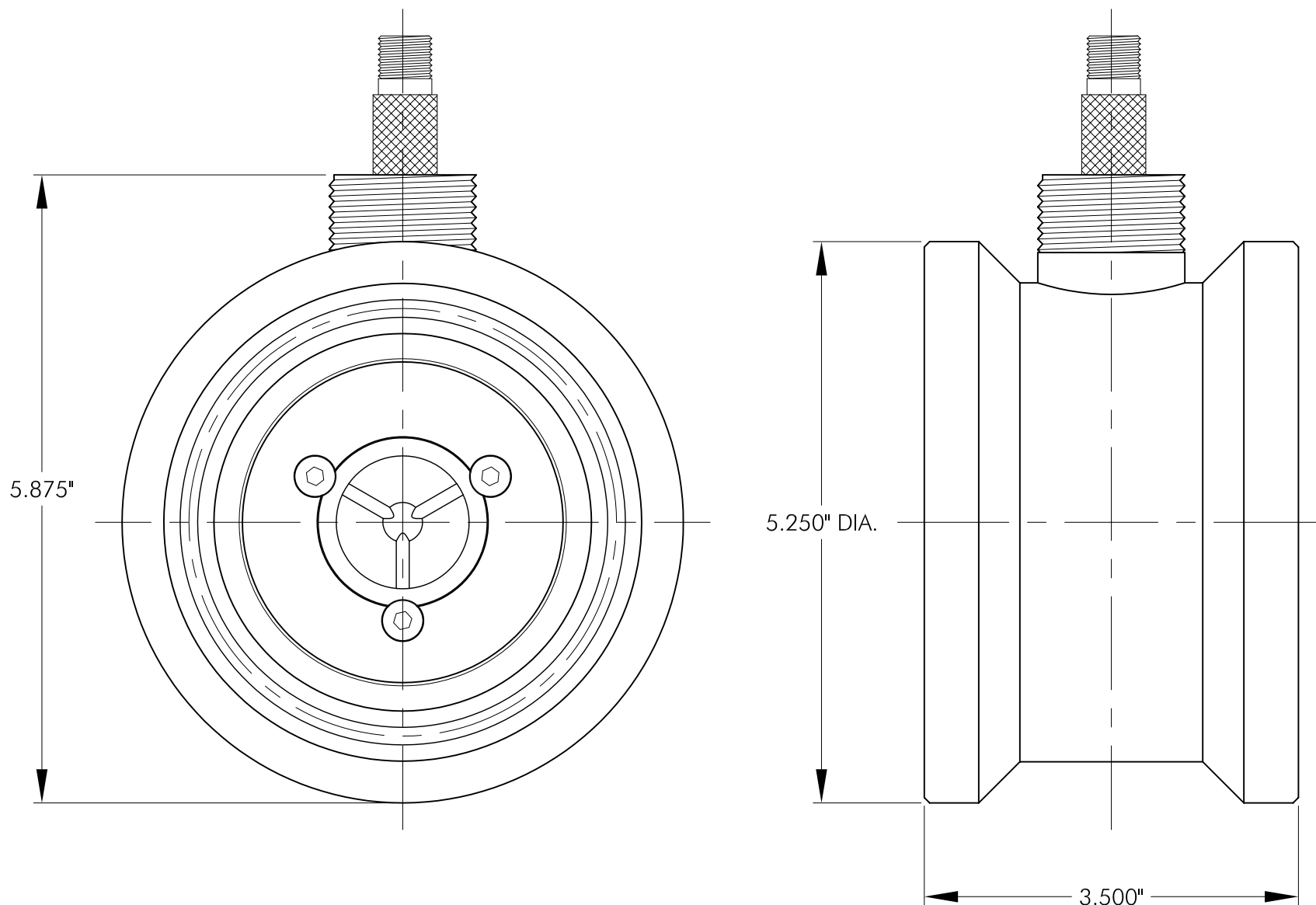
P.O. Box 12128

Odessa, TX 79768

Phone: 432-366-8699 Fax: 432-366-1106

E-mail: rkw@eddevices.com Website: www.eddevices.com





NOTE: DRAWING NOT TO SCALE

SPECIFICATIONS:

FLOW RATE: 2-15 GPM

PRESSURE RATING: 2500 PSI

NOTE:

3/4" TURBINE REPAIR KIT PART NUMBER: 6.075

FLOW METER INSTALLATION DRAWING

3/4" x 2" RING JOINT FLOW METER , PART NO. 6.0750-2500#RJ

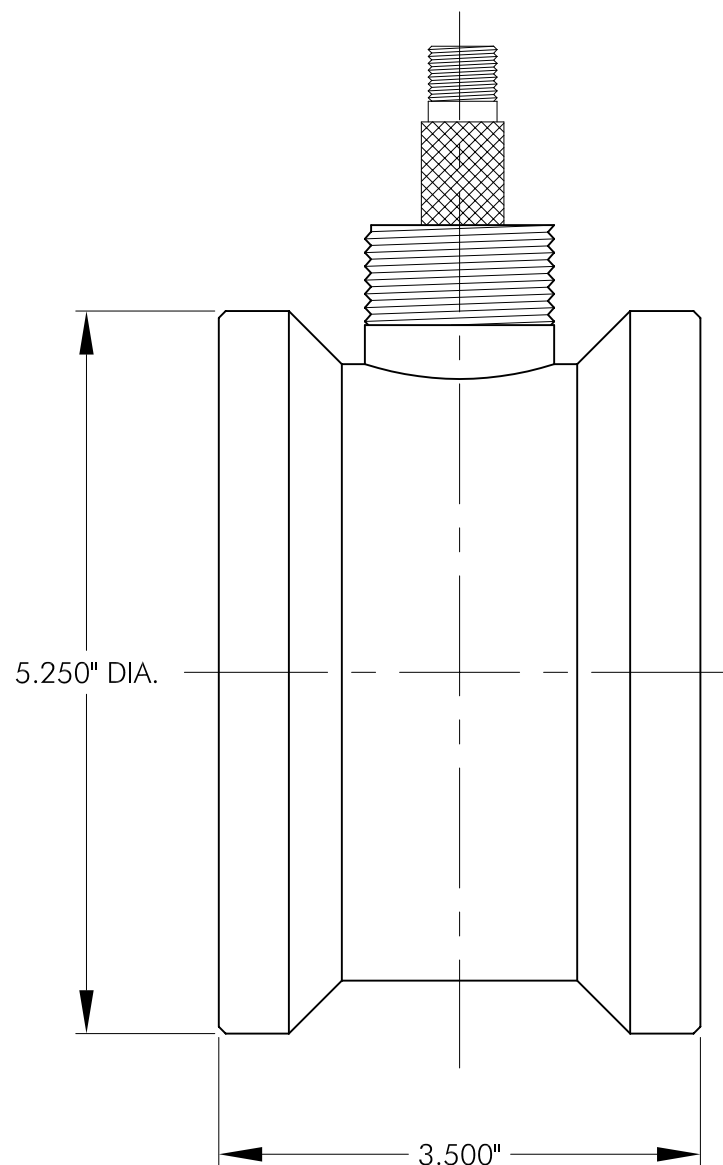
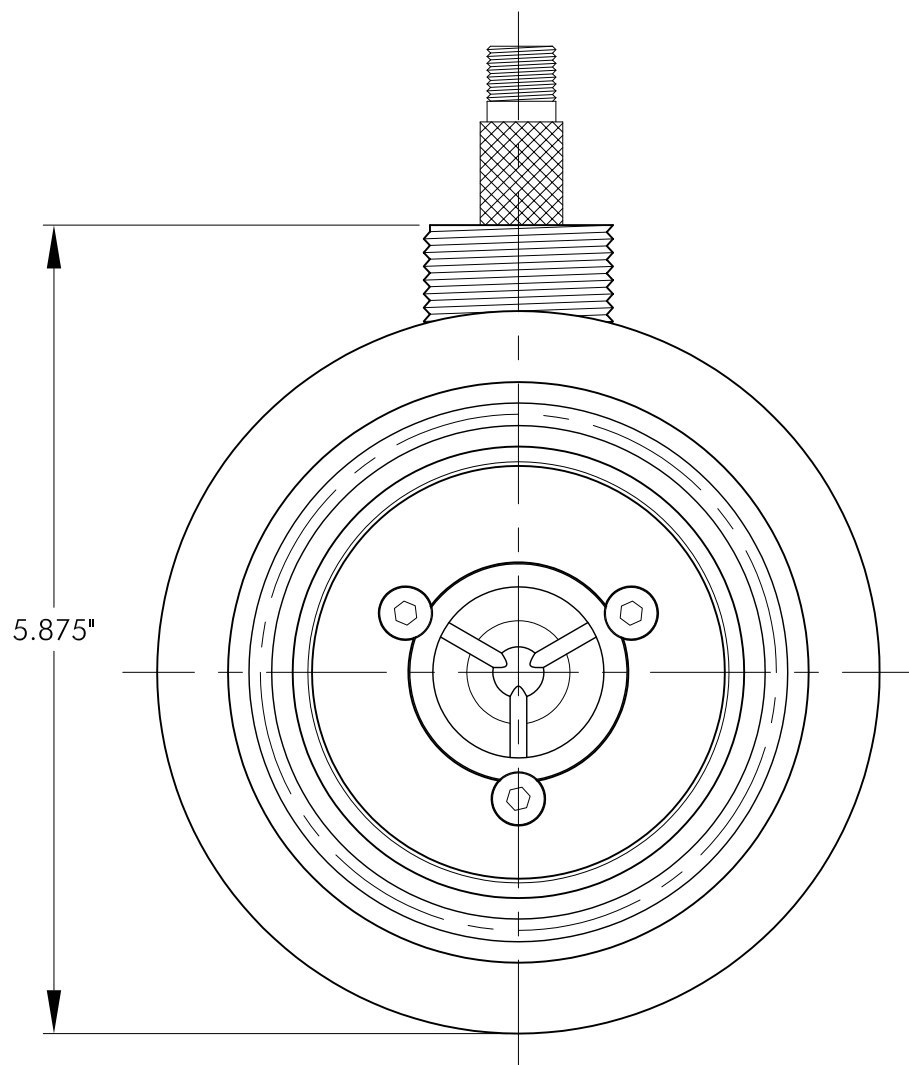
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NOTE: DRAWING NOT TO SCALE

SPECIFICATIONS:

FLOW RATE: 5-50 GPM

PRESSURE RATING: 1500 PSI

NOTE:

1" TURBINE REPAIR KIT PART NUMBER: 6.100

FLOW METER INSTALLATION DRAWING

1" x 2" RING JOINT FLOW METER , PART NO. 6.1001-1500#RJ

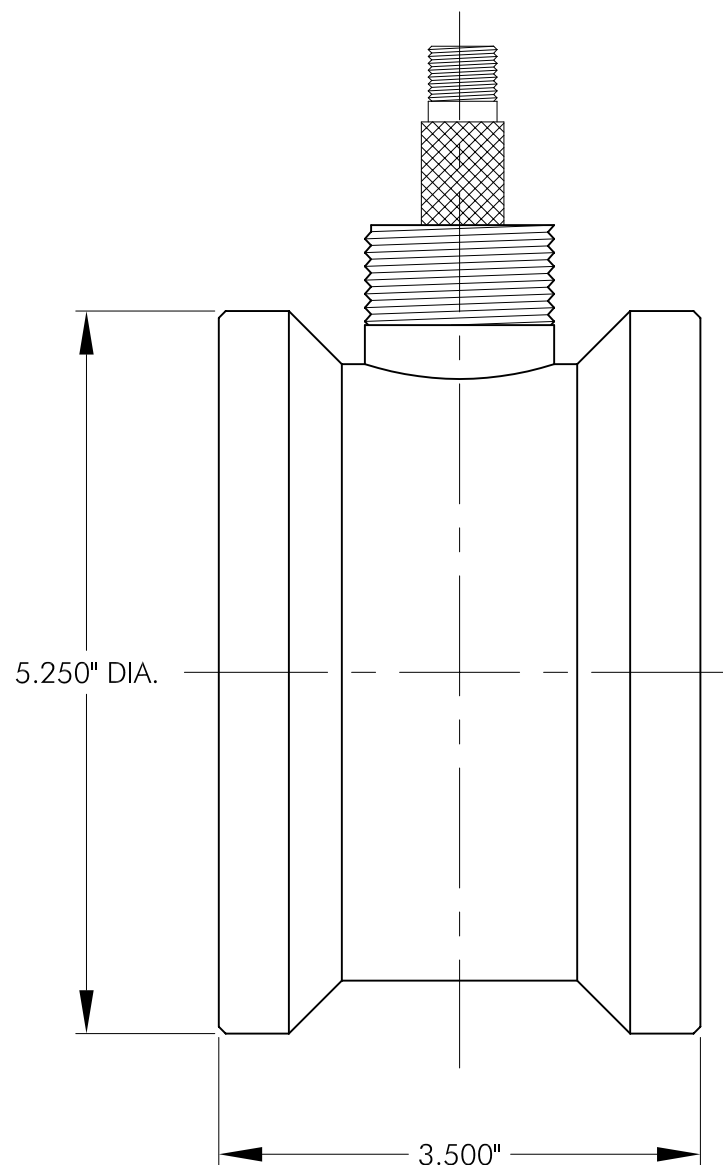
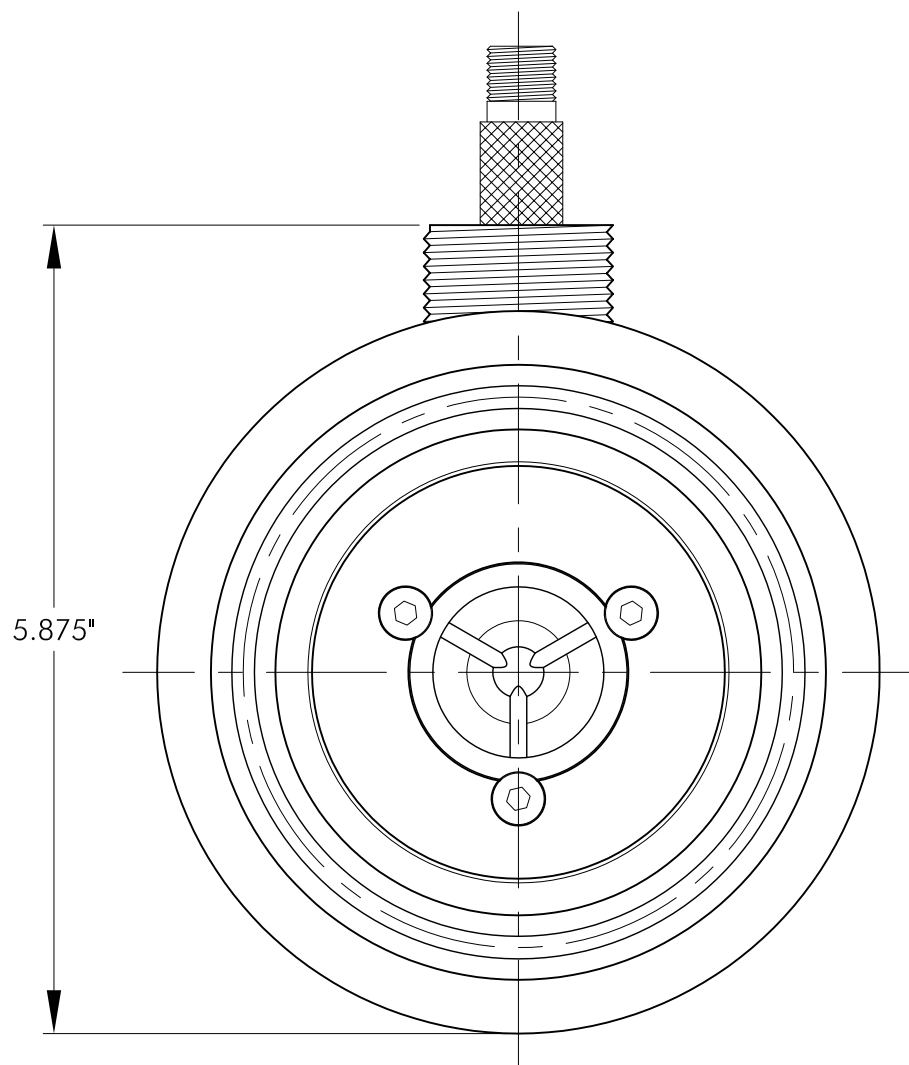
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SPECIFICATIONS:

FLOW RATE: 5-50 GPM

PRESSURE RATING: 2500 PSI

NOTE:

1" TURBINE REPAIR KIT PART NUMBER: 6.100

FLOW METER INSTALLATION DRAWING

1" x 2" RING JOINT FLOW METER , PART NO. 6.1001-2500#RJ

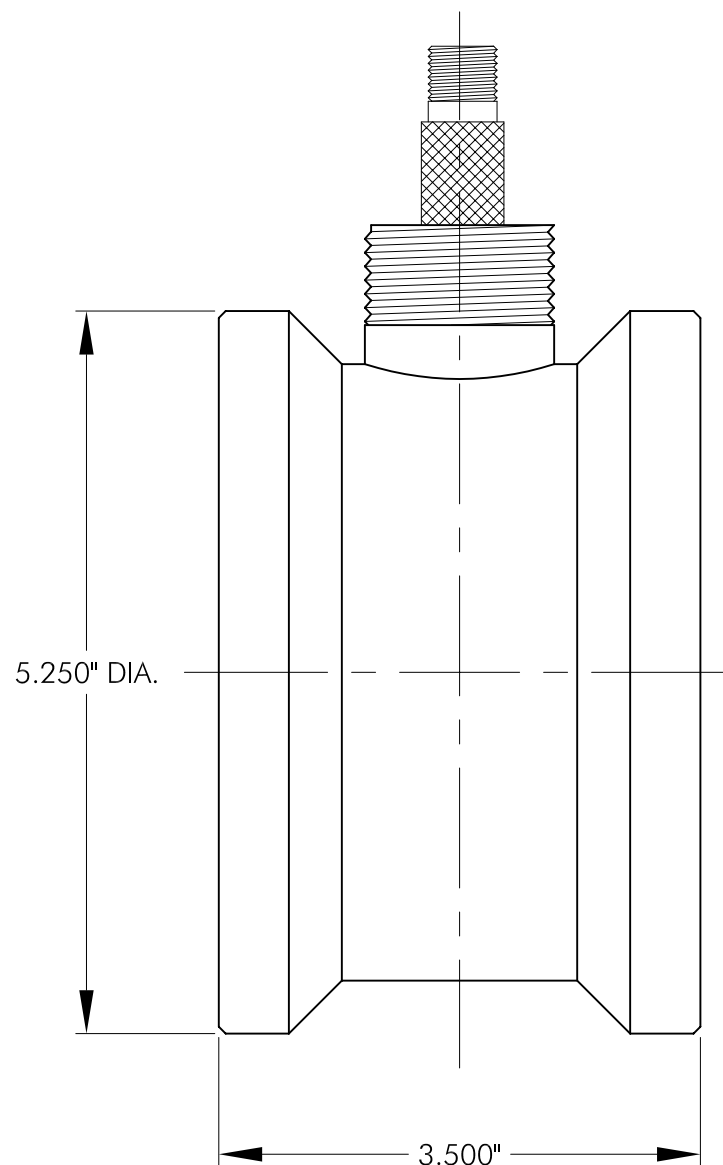
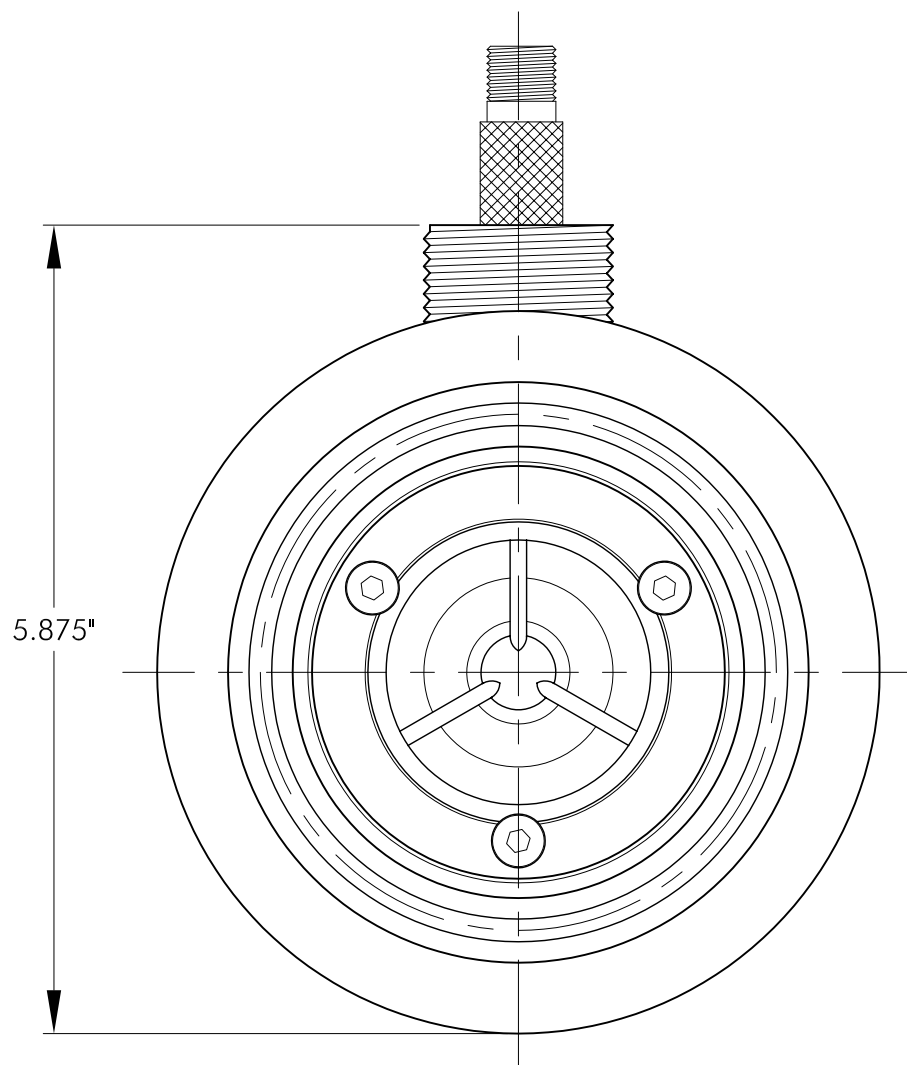
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SPECIFICATIONS:

FLOW RATE: 5-50 GPM

PRESSURE RATING: 1500 PSI

NOTE:

1" TURBINE REPAIR KIT PART NUMBER: 6.100

FLOW METER INSTALLATION DRAWING

1" x 2" RING JOINT FLOW METER , PART NO. 6.1000-1500#RJ

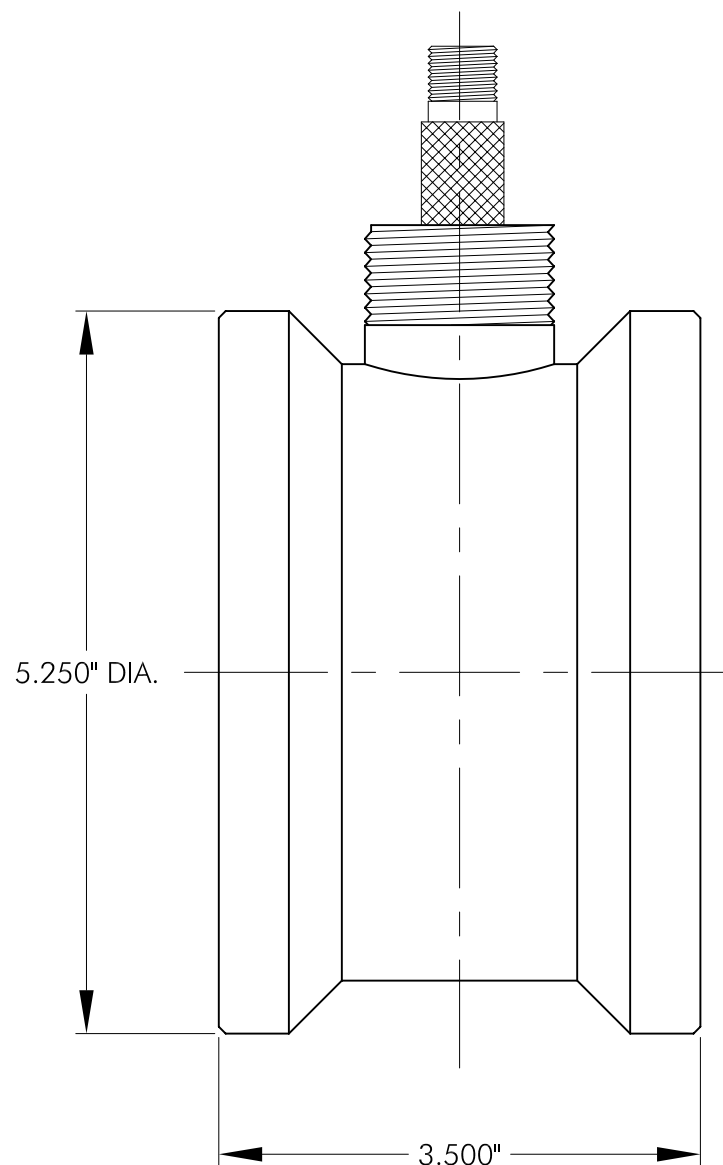
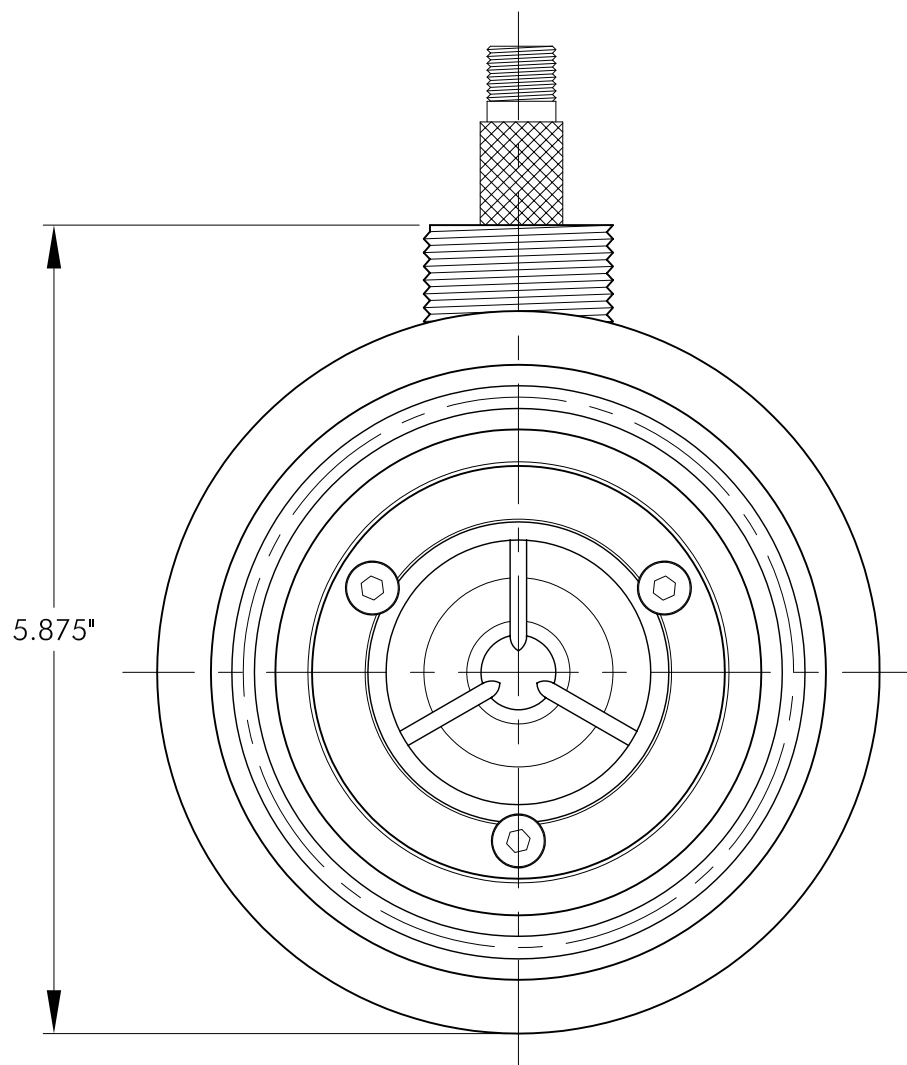
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SPECIFICATIONS:

FLOW RATE: 5-50 GPM

PRESSURE RATING: 2500 PSI

NOTE:

1" TURBINE REPAIR KIT PART NUMBER: 6.100

FLOW METER INSTALLATION DRAWING

1" x 2" RING JOINT FLOW METER , PART NO. 6.1000-2500#RJ

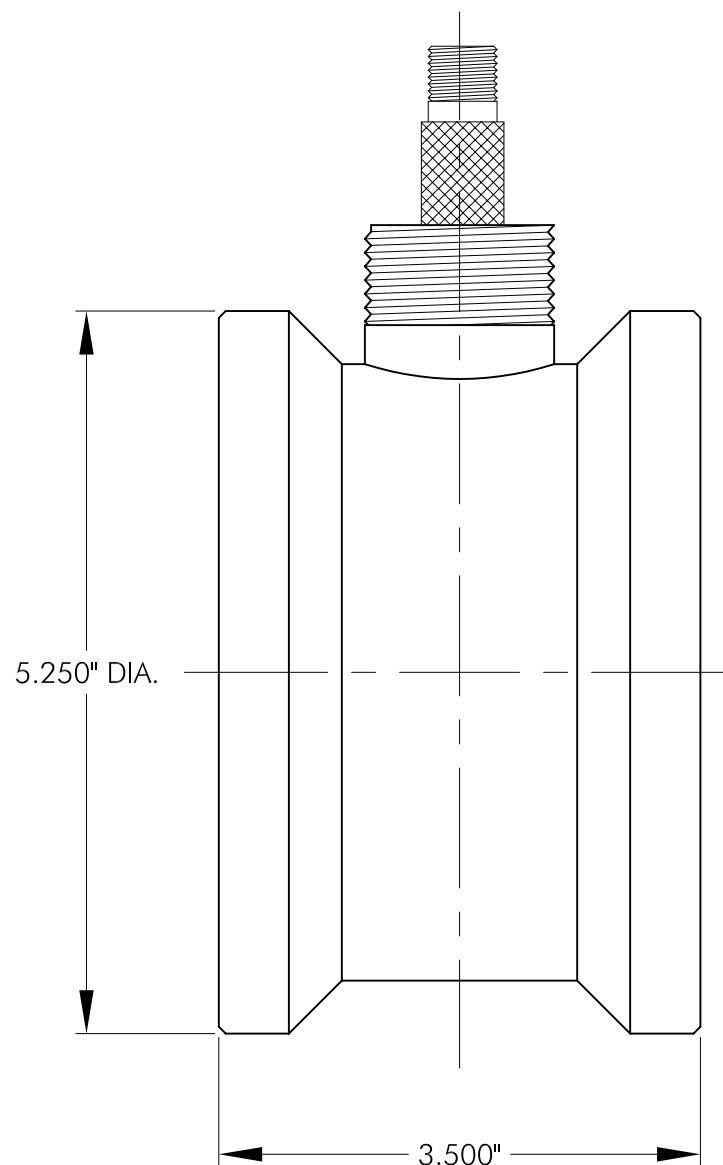
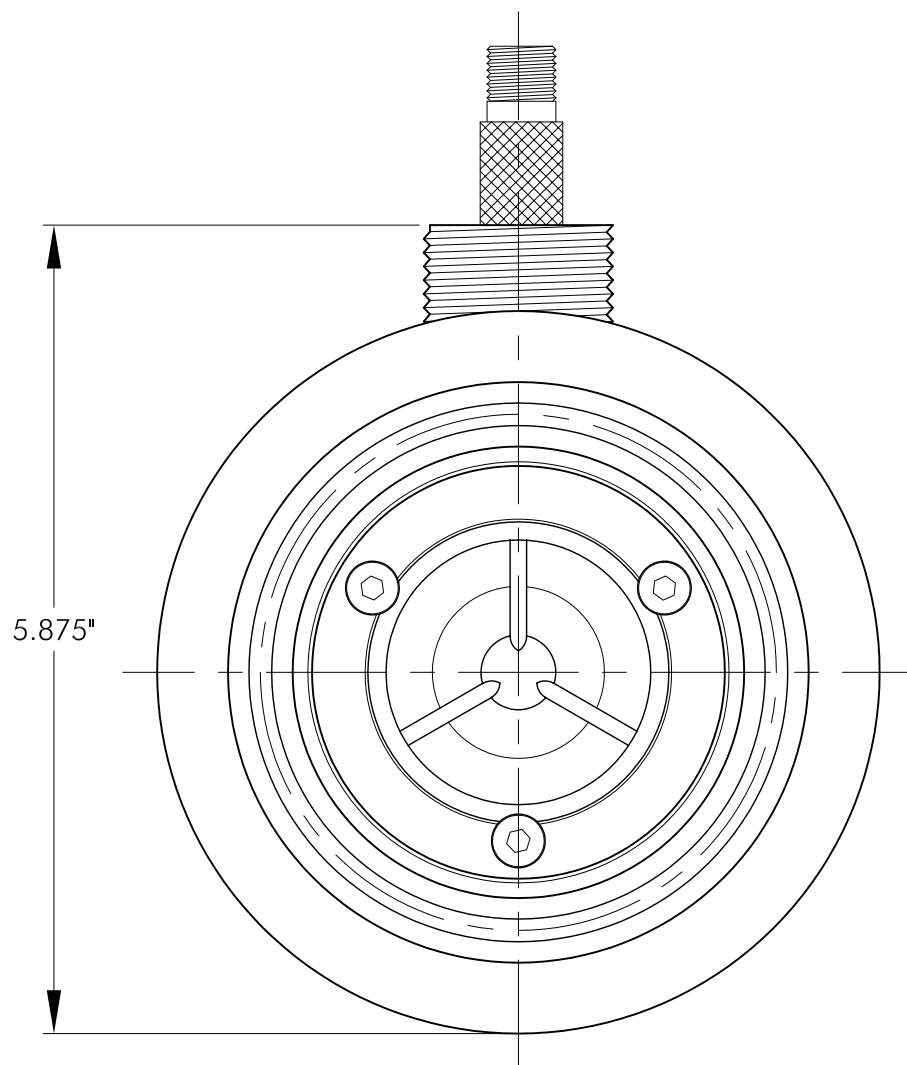
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NOTE: DRAWING NOT TO SCALE

SPECIFICATIONS:

FLOW RATE: 15-180 GPM

PRESSURE RATING: 1500 PSI

NOTE:

1.5" TURBINE REPAIR KIT PART NUMBER: 6.150

FLOW METER INSTALLATION DRAWING

1.5" x 2" RING JOINT FLOW METER , PART NO. 6.1500-1500#RJ

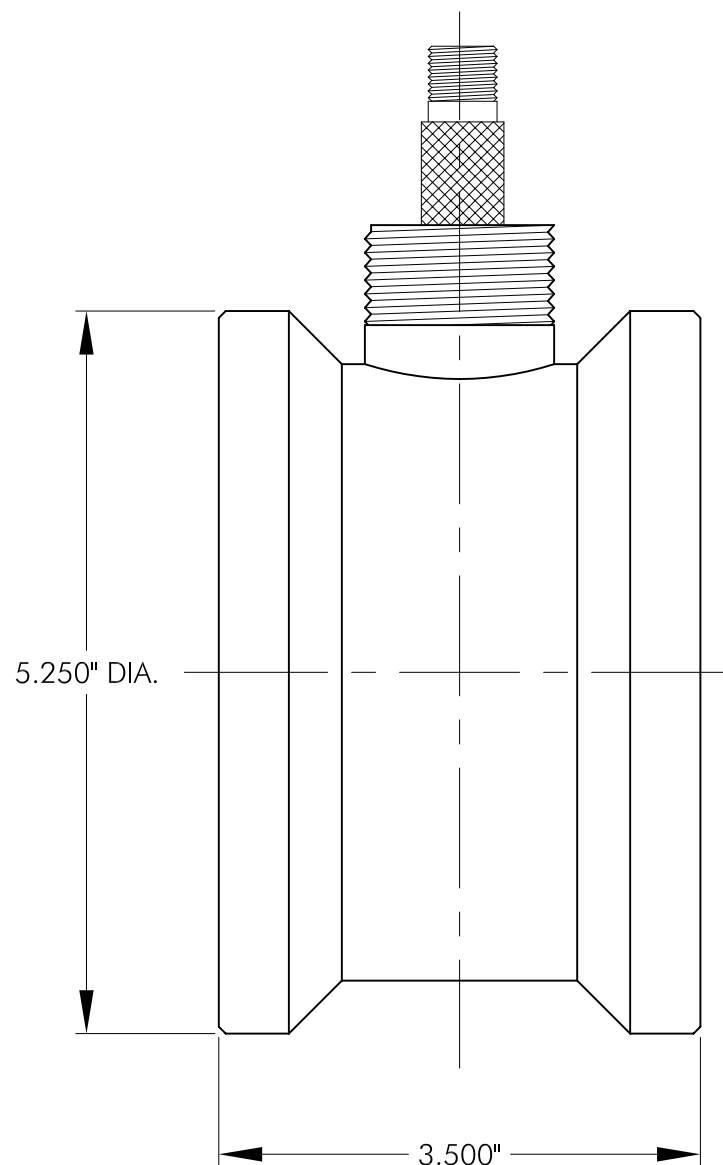
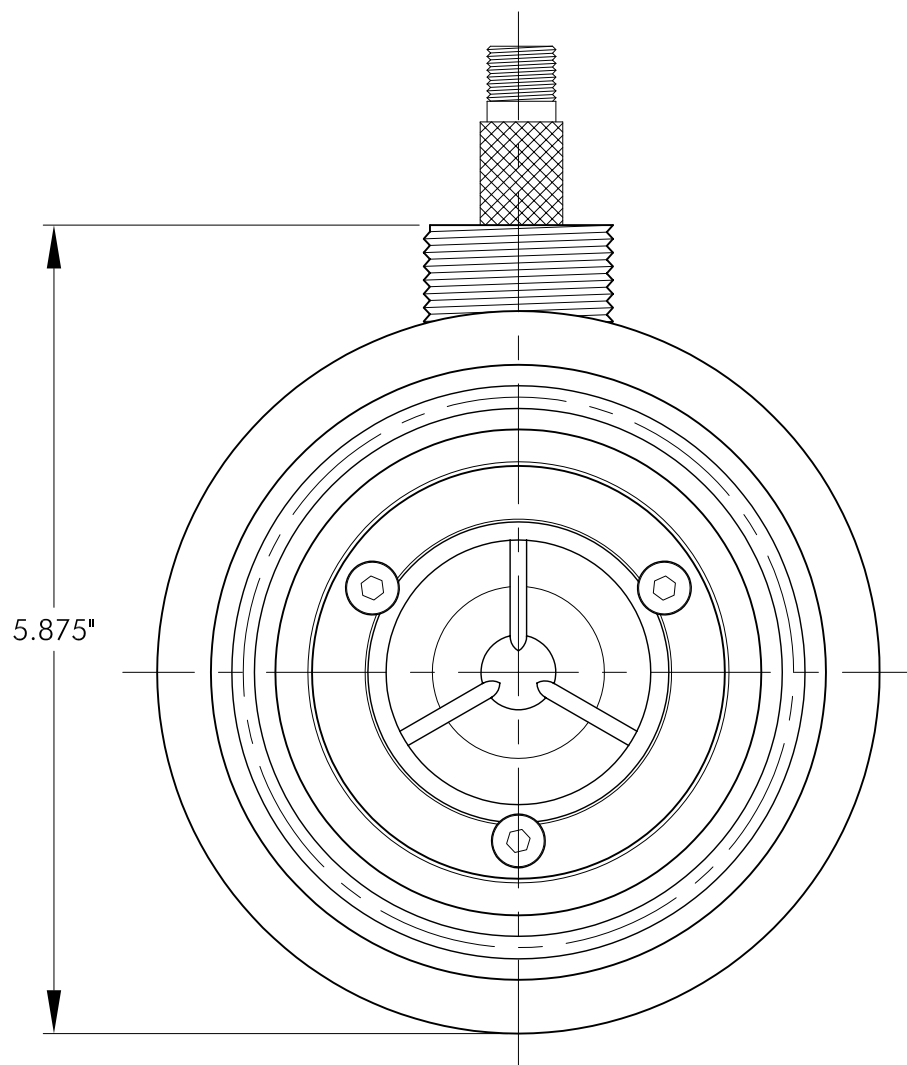
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SPECIFICATIONS:

FLOW RATE: 15-180 GPM

PRESSURE RATING: 2500 PSI

NOTE:

1.5" TURBINE REPAIR KIT PART NUMBER: 6.150

FLOW METER INSTALLATION DRAWING

1.5" x 2" RING JOINT FLOW METER , PART NO. 6.1500-2500#RJ

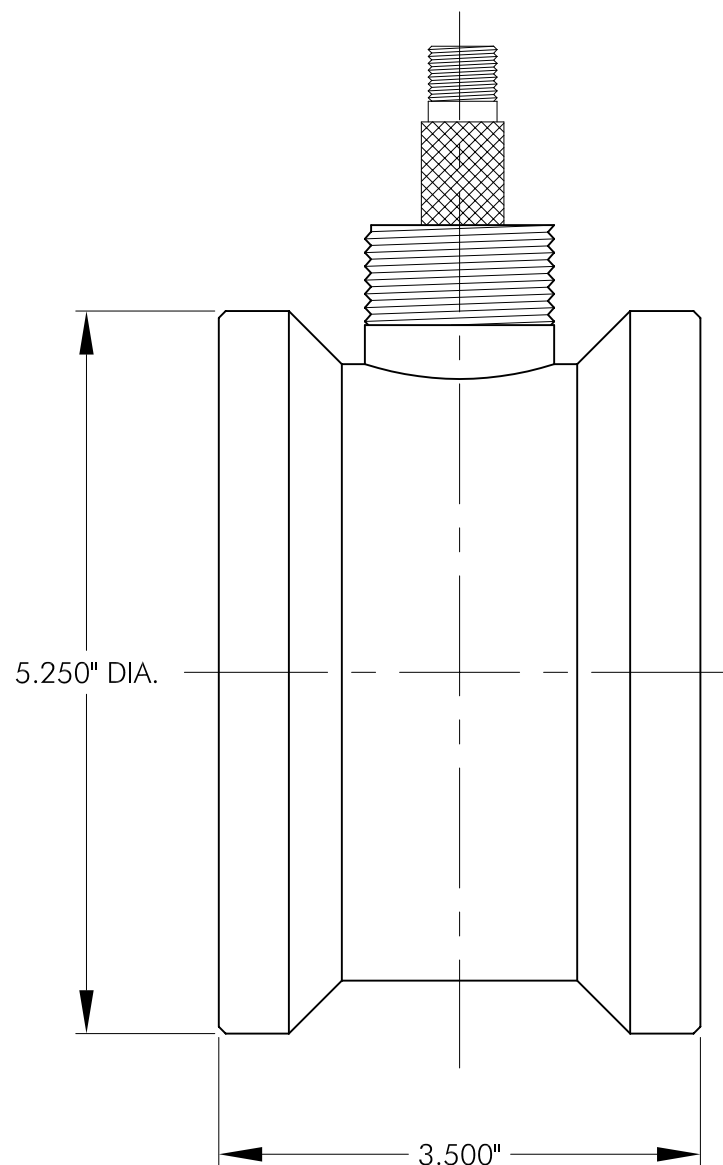
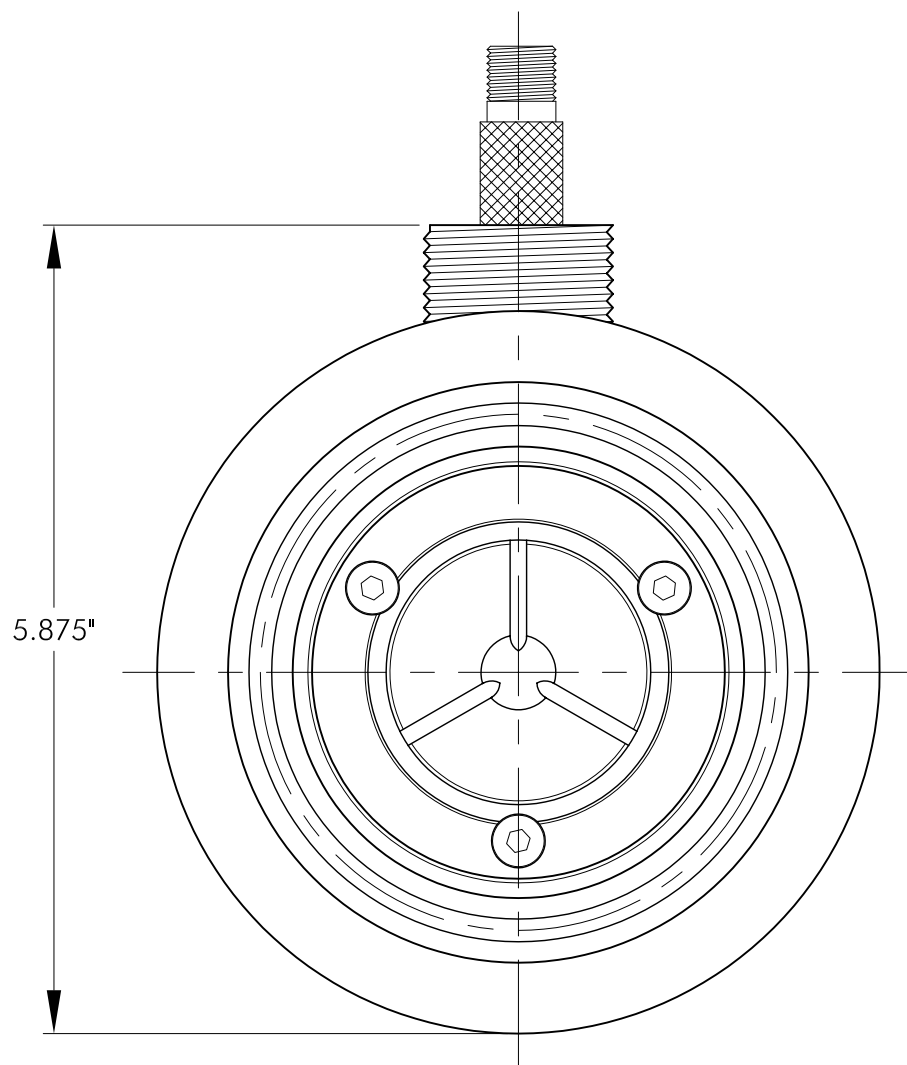
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NOTE: DRAWING NOT TO SCALE

SPECIFICATIONS:

FLOW RATE: 40-400 GPM

PRESSURE RATING: 1500 PSI

NOTE:

2" TURBINE REPAIR KIT PART NUMBER: 6.250

FLOW METER INSTALLATION DRAWING

2" x 2" RING JOINT FLOW METER , PART NO. 6.2000-1500#RJ

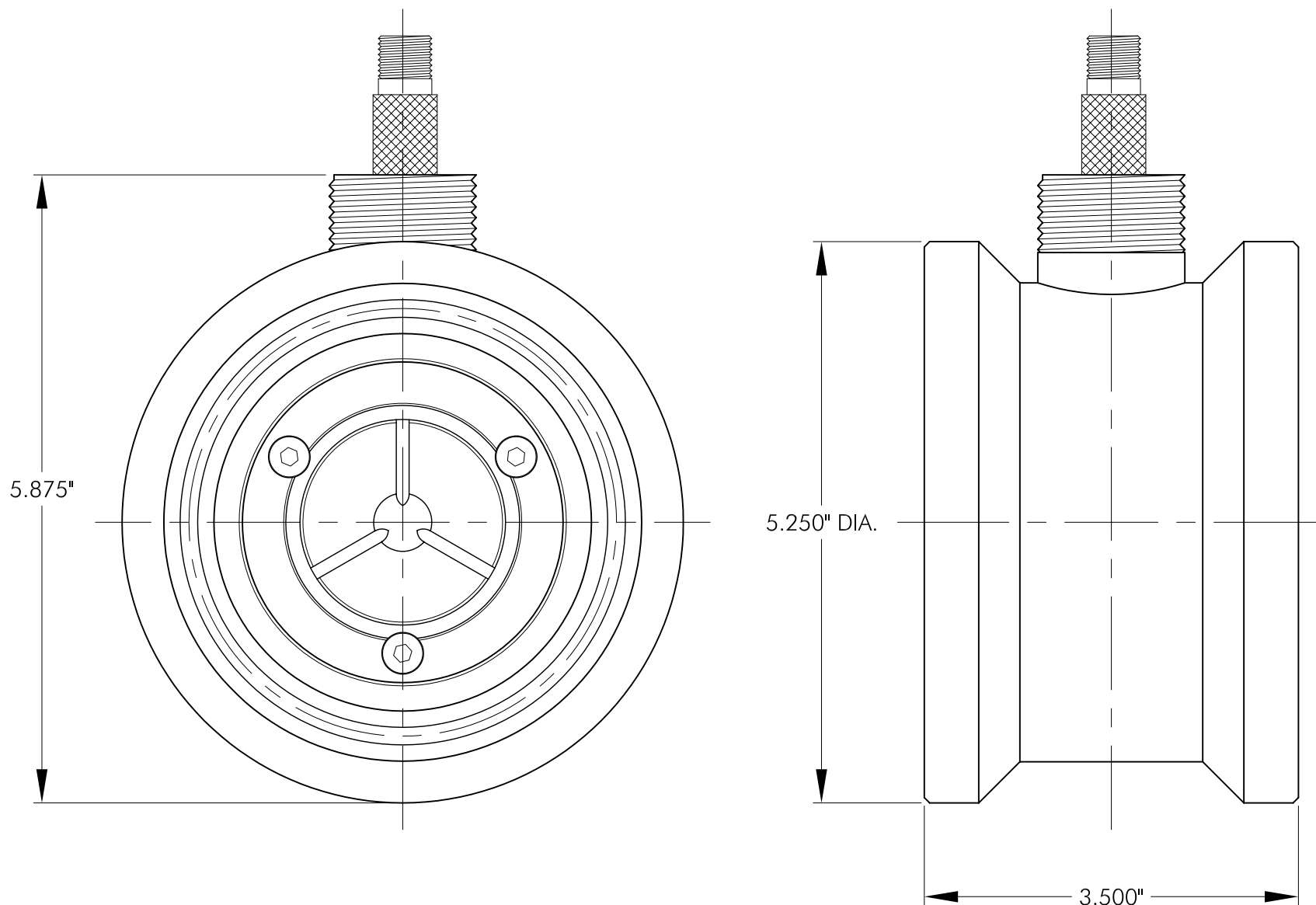
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PRESSURE RATING: 2500 PSI

NOTE:

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FLOW METER INSTALLATION DRAWING

2" x 2" RING JOINT FLOW METER , PART NO. 6.2000-2500#RJ

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