



REVISIONS			
Rev.	Modification	Date	Done By

BILL OF MATERIALS		
* - Denotes an Optional, Non-Standard Material		
#	Name of Part	Material
1	Body	Bronze
		*Monel
		*316SS
2	Seals	Buna-N
		*Viton
		*EPR
		*Teflon
3	Orifice	Bronze
		*Monel
		*316SS
4	Bellows	Bronze
		*Monel
		*316SS
		*Inconel
4	Housing	Polycarbonate
		*Aluminum
5	Lens	Polycarbonate
6	Dial	*Glass
	Gear Movement	Bronze
		*316SS

RATINGS			
Options	Description	Pressure	Temperature
-	Standard	180 PSI	212°F
H	High Pressure	400 PSI	212°F
T	High Temperature	180 PS	350°F
H & T	High Pressure & Temperature	400 PSI	350°F

DIMENSIONS													
FNPT Size		Bronze				316 SS				Monel			
		A		B		A		B		A		B	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
1/4	8	5.95	151	3.06	78	See Drawing SC2.00M12.01.0.0				See Drawing SC2.00M12.01.0.0			
1/2	15	5.95	151	3.06	78	5.92	150	2.70	69	5.95	151	3.06	78
3/4	20	5.95	151	3.06	78	5.94	151	2.77	70	6.07	154	3.06	78
1	25	6.07	154	3.06	78	6.39	162	3.27	83	6.39	162	3.06	78
1 1/2	40	6.39	162	3.06	78	6.39	162	3.27	83	6.39	162	3.06	78
2	50	6.80	172	3.19	81	6.80	172	3.27	83	6.80	172	3.19	81
3	80	7.48	190	4.19	106	7.48	190	4.36	111	7.48	190	4.19	106

**Notes:**

1. Protect from freezing. Freezing liquids can damage the Flow Meter.

**S Series Configuration Choices:**

Reference the Series S Model Number Matrix on our Website or Inquire with our Sales Team

**JOHN C ERNST LLC.**

www.johnernst.com

21 Gail Ct. Sparta, N.J. USA

Series M12 Differential Pressure Threaded FNPT Flow Meter

Sheet 1 of 1	Drawn By WAS & TWW	Tolerances, unless otherwise noted Dec.: ±    Frac.: ±    Ang.: ±	Size: A
Scale: NTS	Approved By JCW		Rev. -
Date: 11-OCT-17	Dwg. No.: SC2.00M12.00.0.0		