

Description

Provides automatic batch control with two-stage shut-off. Consists of a meter register and a preset register mechanically linked to a stainless steel or bronze ball valve. The meter register contains 5 resettable digits to display totalization and 8 digits for continuous totalization with an emergency interrupt shut-off. The face plate can be configured to display any standard engineering unit (i.e. U.S. gallons, Imp. gallons, pounds, and liters). An optional electrical shut-off consists of four switches mounted inside an explosion proof housing which mounts directly to the preset register.

Mounts to

Meter Type	Size	Meter Materials
Nutating Disc	1" - 2" (except 1 1/4")	Teflon® Coated Cast Iron
	1" - 2" (except 1 1/4")	Bronze
Oscillating Piston	1" or 2"	Stainless Steel



Figure 1. R-35 Automatic Batch Controller/Totalizer Register

Technical Information

Functional Specifications

Registration	U.S. gallons, Imp. gallons, pounds, liters, etc.
Operation	Mechanical drive
Display Outputs	5 digit resettable Total 8 digit Total
Display Digits	5 and 8
Optional Switches	Qty: 4 Rating: 15A @ 125/250 VAC, SPDT 0.5A @ 125 VDC/0.25A @ 250 VDC, SPDT
Temperature	180° F (82° C)
Batch Size	Minimum batch size: 50 gallons or equivalent units

Physical Specifications

Materials of Construction	
Case	Aluminum & Steel
Gears	Phenolic
Bushings	Bronze
Number Wheels	Acetal resin
Mounting Position	Top/Horizontal Vertical Dial Face

Ordering Information

MODEL 3 5

Dial Value	
1	Gallons
2	Pounds
3	Imperial Gallons
4	Liters
9	Special
Unit Value	
A	1
B	10

Dimensions (inch)

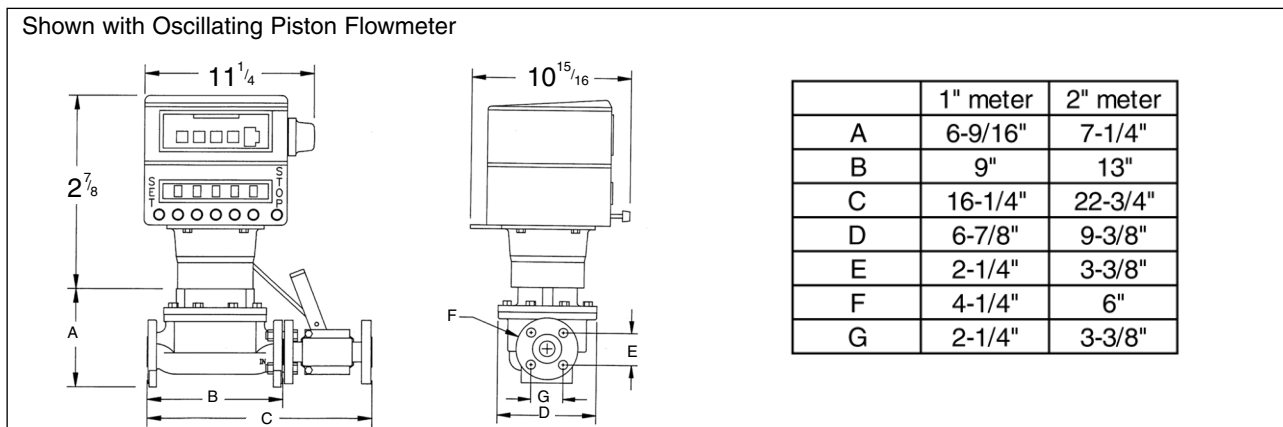


Figure 2

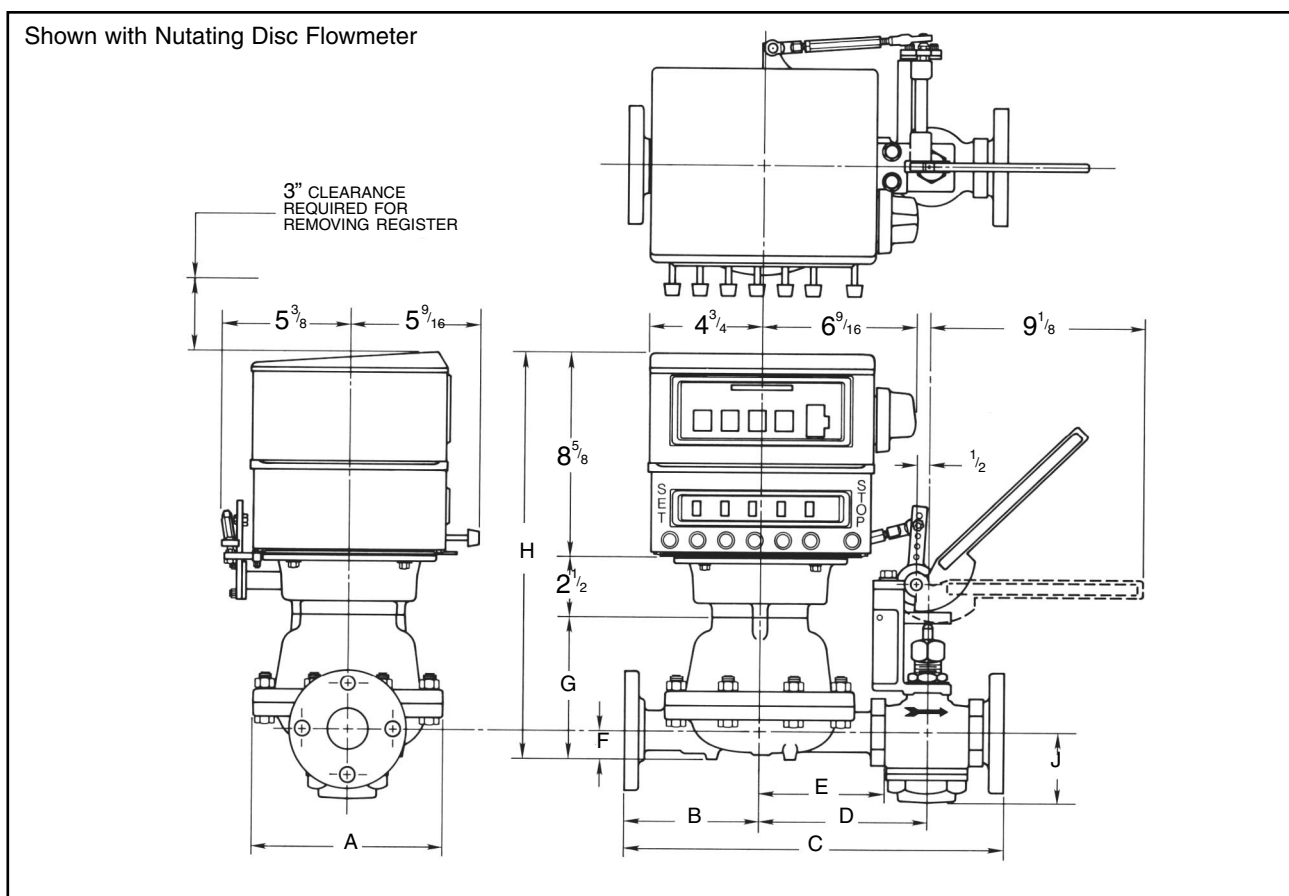


Figure 3

NIAGARA NUTATING DISC METERS

Meter Size (inches)	Lettered Dimensions (inches)									Flow Rate (U.S. gal.)		Weight (lbs.)
	A	B	*C	*D	*E	F	G	H	J	Min.	Max.	Net
1	6 5/16	4	17 1/2	5 5/32	3 1/4	2 11/32	4 19/32	15 23/32	2 15/32	5	20	61
1 1/2	8 7/8	5 3/8	20 3/4	7 3/4	4 5/8	1 1/4	6 13/16	17 15/16	2 31/32	5	50	75
2	8 25/32	6 5/16	21 3/4	8 5/16	5 9/16	1 5/8	6 29/32	18 1/32	3 5/8	10	100	97

* ±1/8

Table 1