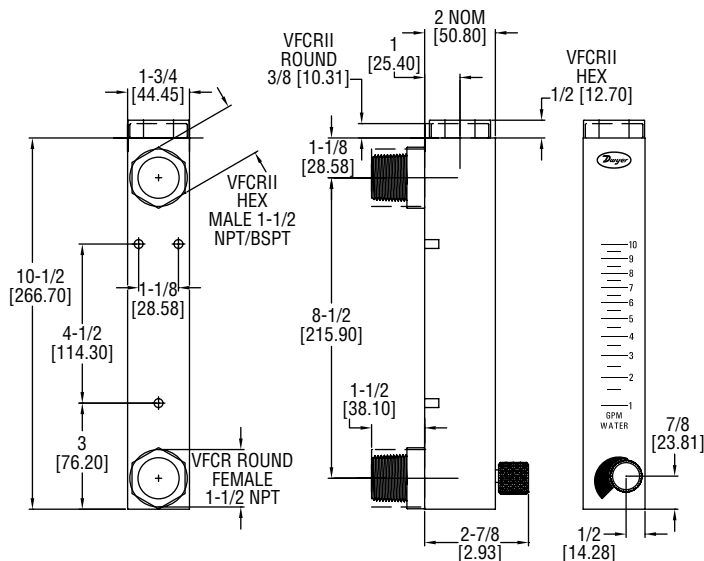


# **VISI-FLOAT® ACRYLIC FLOWMETERS WITH ROTO-GEAR VALVE TECHNOLOGY** Full On/Off Control and Precise Flow Adjustment in One Valve Design



The innovative **SERIES VFCR** Visi-Float® Acrylic Flowmeter with Roto-Gear Technology is a direct reading variable area flowmeter with scales for liquid or gas applications. Roto-gear valve technology permits full open to close adjustment while maintaining fine flow control of the process media in one valve design. Installation, operation, and maintenance are simple ensuring a long, accurate, and trouble-free operation life.

## FEATURES/BENEFITS

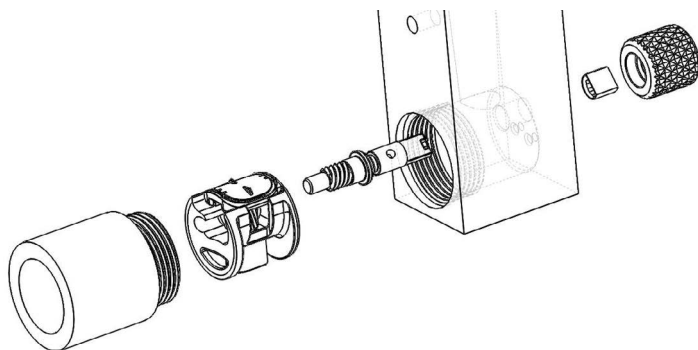
- Patent pending interlocking and rotating gear valve design offers fine flow control with full flow adjustment from fully open to fully closed
- Convenient valve cartridge assembly can easily be removed for effortless cleaning saving time and money
- Direct reading scales are hot stamped into the acrylic body resisting fading or wearing and extending product life
- Bodies are cut and precision machined from solid, clear acrylic blocks with white backgrounds for better visibility of the float, increasing reading accuracy
- Valve design features leak tight closure

## APPLICATIONS

- Medical equipment
- Pollution monitors
- Chemical injectors
- Mining
- Laboratory
- Gas analysis
- Wastewater

## REMOVABLE ROTO-GEAR VALVE CARTRIDGE ASSEMBLY

Easily remove or replace valve assembly



## SPECIFICATIONS

**Service:** Compatible gases and liquids.  
**Wetted Materials:** Body: Acrylic plastic; O-ring: Buna-N (optional fluoroelastomer); Valve: Delrin®; Float: Stainless steel; Float stop: Polyolefin (range no. 141 Polyolefin and PVC); Float rod: 18-8 SST; Fittings: PVC (VFCR II Delrin®).  
**Temperature Limit:** 120°F (48°C).  
**Pressure Limit:** 100 psig (6.9 bar).  
**Accuracy:** 2% of FS.  
**Process Connection:** VFCR: 1" female NPT back connections; VFCR II: 1" male NPT back connections.  
**Scale Length:** 5" (127 mm).  
**Mounting Orientation:** Mount in vertical position.  
**Weight:** 25.6 oz (0.73 kg).

## MODEL CHART

Model	Thread Type
VFCR-X	1" FNPT
VFCR II-X	1" MNPT

**How To Order:**  
 Model - Range No. - Option  
**Example:** VFCR-121-NIST

## RANGE CHART – 5" SCALE – POPULAR RANGES

Range No.	SCFM Air	Range No.	GPM Water
121	4 to 25	141	.5 to 5
122	5 to 50	142	1 to 10
123	10 to 100	143	2 to 20
Range No.	LPM Air	Range No.	LPM Water
131	100 to 700	151	2 to 20
132	200 to 1400	152	4 to 40
133	300 to 2800	153	10 to 75

## OPTION CHART

To order add suffix:	Description
-VIT	Fluoroelastomer O-rings
-NIST	NIST traceable calibration certificate
-BSPT	BSPT process connections

**Example:** VFCR-121-NIST