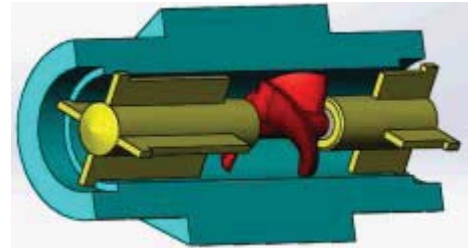
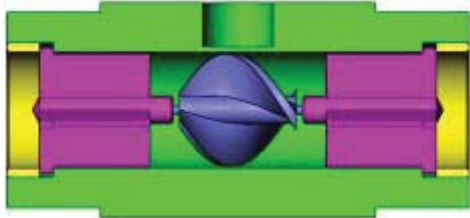


SS ROTOR SCREW DESIGN PD FLOW METER:

INTRODUCTION:

flow meters are positive displacement meters with a very favorable low pressure drop behavior. They are perfectly suited for the flow measurement of very high viscosity fluids. Due to wide measuring ranges, high accuracy and resolution, helical flow meters are an excellent choice for laminating systems, painting systems, adhesive dispenses systems, as well as batching systems for various fluids.



TECHNICAL SPECIFICATION:

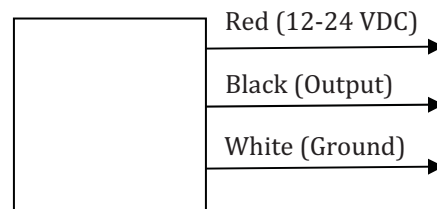
Material of construction:

Enclosure	:	S.S-304/S.S-316
Rotor	:	SS-410
Shaft	:	Hard Stainless Steel-316 with carbon bearing
Accuracy (std installation position)	:	+/- 0.5% FSD
Repeatability	:	0.1%
Maximum working pressure	:	40 MPa
Fluid Temperature Range	:	-20 to 120 Deg. C
Process Connection	:	Thread (M/F) or flange
Output From sensor	:	Square Wave Pulse Output
Power Supply	:	12-24 VDC

FLOW RANGE SELECTION TABLE:

Model No	Pipe Size	Flow Range
CI-HRFS-004	1/2"	40 - 400 LPH
CI-HRFS-012	1"	600 - 6000 LPH
CI-HRFS-020	1"	800 - 8000 LPH
CI-HRFS-025	1.25"	1000 - 10000 LPH
CI-HRFS-032	1.5"	1500 - 15000 LPH
CI-HRFS-040	2"	2000 - 20000 LPH
CI-HRFS-050	2"	4000 - 40000 LPH
CI-HRFS-080	3"	10000 - 100000 LPH
CI-HRFS-100	4"	20000 - 200000 LPH
CI-HRFS-150	6"	30000 - 300000 LPH

ELECTRICAL CONNECTION:



ADVANTAGES:

High Accuracy	wide Viscosity Range
Pressure upto 400 bar	Low Pressure Drop compared to other PD meters
High Resolution	Non sensitive to pulsating flow
Resistant to corrosion due to advance rotor and bearing materials	

APPLICATIONS:

Light & Heavy Fuel Oil	Petrochemical Products
Furnace Oil	Water/Glycol Mixtures
Crude Oil	Various Polymers
Hydraulic Oil Test Rigs with varying viscosities	

FLOW DISPLAY UNIT

Field Mount



Panel Mount



We have a wide range of Field/Panel mounted type of meters, in which calibration factor is programmable. There are various unit selections available as Flow Rate Indicator, Totaliser, Batcher, Flow Rate Switch, Flow Transmitters with 4-20mA output/RS485 output/RS232 output & with Printing Facility etc

These meters are highly accurate, having optimized structure, highly reliable, more competitive than the similar type flow meter. We think, these flow meters are an ideal flow meter used in all kinds of most popularity measuring system. Our R&D department is continuously working to make these meters user friendly.

	Flow Rate Indicator	Flow Rate Indicator cum Totaliser	Flow transmitter
Make	Brio Instruments	Brio Instruments	Brio Instruments
Model	CI 100	CI 200	CI 300
Orientation	Field /Panel Mount Type	Field /Panel Mount Type	Field /Panel Mount Type
Function	Flow Rate Indication	Flow Rate + Totalised Flow	Flow Rate + Totalised Flow
Display	16 X 1 Lcd display with Backlit	16 X 2 Lcd display with Backlit	16 X 2 Lcd display with Backlit
Power Supply	230 VAC , +/- 10% (12Vc or 24 VDC optional)	230 VAC , +/-10% (12Vc or 24 VDC optional)	230 VAC , +/- 10% (12Vc or 24 VDC optional)
Linearity	±1% of full range	±1% of full range	±1% of full range
Repeatability	±0.5% of full range	±0.5% of full range	±0.5% of full range
Configuration	Password Protected	Password Protected	Password Protected
Calibration	Using Front Panel Keys	Using Front Panel Keys	Using Front Panel Keys
Input	5-24 VDC pulse input	5-24 VDC pulse input	5-24 VDC pulse input
Output	N.A.	Potential Free Relay (1 or 2) Against Flow Rate or Total)	Potential Free Relay (1 or 2) Against Flow Rate or Total)
Retransmission output	N.A.	N.A.	4-20mA Or 0-10 VDC Or RS 485 / RS 232/ Printer Port
Meter Size	96x96x100 mm	96x96x100 mm	96x96x100 mm
Cutout Size	90x90 mm	90x90 mm	90x90 mm

Q200S – Flow Batcher, which have 1 relay output against Total

Q200R – Flow Rate Indicator Cum Flow Switch, which have 1 relay output against Flow Rate
For Field Instruments Size 100X100X80 mm

We configure the Display Units As per Customer Requirements

Prema
ENTERPRISES

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