

The Need For Every
Process Industry

SPINK CONTROLS®

An ISO 9001:2015 Certified Company



GLASS TUBE ROTAMETER

MODEL: SC / R - 100

FLOW

GLASS TUBE ROTAMETER

MODEL : SC / R - 100



Spink Controls offer an Industrial flowmeter used to measure flowrate of liquids and gases. It operated on the Variable Area Principle, where the fluid flow raises a float in taper tube increasing the area of passage of fluid. The greater the flow, the higher the float is raised. The height of float is raised by a combination of the buoyance of the liquid and velocity head of the fluid. With gases, the buoyancy is negligible, and float responds to the velocity head alone.

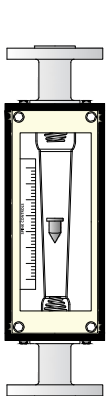
ENGINEERING SPECIFICATION

ACCURACY	: +/- 2 % OF FSR
REPEATABILITY	: +/- 0.5 % OF FSR
RANGEABILITY	: 10 : 1
TEMPERATURE RATING	: 150° C
PRESSURE RATING	: Up tp 10 Kg/cm ²
CASING	: M. S. POWDER COATED/SS316/ SS304
END CONNECTION	: FLANGED/SCREWED AS PER CUSTOMER SPECIFICATION

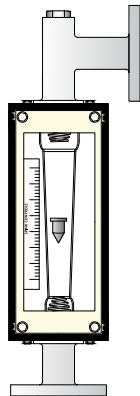
MATERIAL OF WETTED PART	: C S/ SS 304/ SS 316/ PP/ PVC/ TEFLON
METERING TUBE	: BOROSILICATE GLASS
FLOAT	: SS304/SS316 OR SUITABLE TO SERVICE
SCALE LENGTH	: 175 TO 220 mm
END TO END DISTANCE	: 500mm
FLOW DIRECTION	: FROM BOTTOM TO TOP
MOUNTING POSITION	: VERTICAL
ELASTOMERS	: NEOPRENE/SILICON/ VITON / PTFE

BASIC MODEL

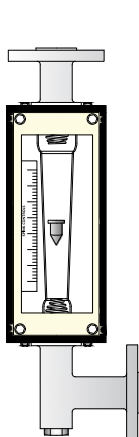
MODEL : R - 101



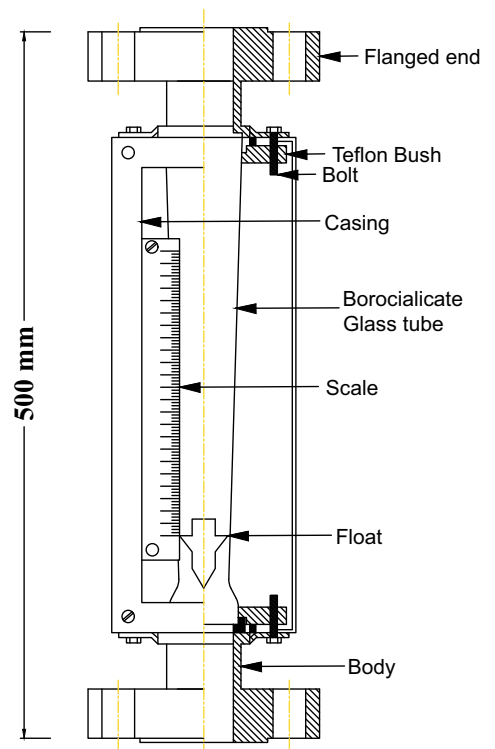
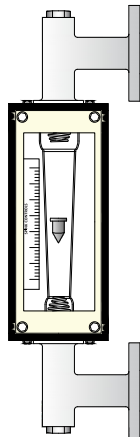
MODEL : R - 102



MODEL : R - 103



MODEL : R - 104



FLOW CHART

Line size	Pressure raing (Kg/cm2)	water at AMB. Temp in	Glass size	Line size code
15	15	10-100 20-200 30-300	GT/01 GT/02 GT/03	1A 1B 1C
20	10	40-400 60-600 80-800 100-1000 120-1200	GT/04 GT/05 GT/06 GT/07 GT/08	2A 2B 2C 2D 2E
25	10	150-1500 200-2000 250-2500 300-3000	GT/09 GT/10 GT/11 GT/12	3A 3B 3C 3D
40	7	350-3500 400-4000 500-5000 600-6000	GT/13 GT/14 GT/15 GT/16	4A 4B 4C 4D
50	7	800-8000 1000-10000 1500-15000 2000-20000	GT/17 GT/18 GT/19 GT/20	5A 5B 5C 5D
65	5	2500 - 25000	GT/21	6A

MODEL SELECTION

Suffix Code	1	2	3	4	5	6	7	8	9	10	11	12	13	Parameters
Model Code	SC/R-101													Inlet - Bottom , Outlet - Top
	SC/R-102													Inlet - Bottom , Outlet - Side
	SC/R-103													Inlet - Side , Outlet - Top
	SC/R-104													Inlet - Side , Outlet - Side
Line size	XX													Refer the flow chart
Fluid	L													Liquid
	G													Gas
Process Connection	F													Flanged
	TC													TC End
	S													Threaded end (BSP or NPT)
Process Connection Size	P1													1/2"
	P2													3/4"
	P3													1"
	P4													1.5"
	P5													2"
	P6													2.5"
	P7													3"
Body & Process connection MOC	M1													SS304
	M2													SS316
	M3													SS316L
	M4													Mild steel
	M5													Carbon steel
	M6													Cast Iron
	M7													Poly Propylene
Float	F1													SS304
	F2													SS316
	F3													PTFE
	F4													SS316L
	F5													Special on request
Lining Material	L1													PTFE
	L2													Without Lining
Casing Material	C1													MS duly Powder coated
	C2													SS304
	C3													SS316
Scale Material	S1													Aluminium Anodized
	S2													Stainless Steel
	S3													Acrylic
Gland Plate & Accessories	GP1													MS
	GP2													SS
	GPX													Other on request
Elastomer	E1													PTFE
	E2													Silicon
	E3													Neoprene
	E4													Viton
	E5													Nitrile
Optional	FS1													Flow switch (Proximity Single point)
	FS2													Flow switch (Proximity Double point)
	NV													Needle Valve
	XX													None

**** Model codes are subject to change due to continuous design improvements and product development.**



Head Office

303, SIDDHARTH TOWER, G.P. PAI
ROAD, KOPRI, THANE (E) - 400603
MAHARASHTRA, INDIA

Phone : +91 22 2532 8223

+91 22 2532 8224

Email : info@spinkcontrolsindia.com

Plant 1

GALA No. F-4 A WING, UDYOG BHAVAN-2
ADDITIONAL AMBERNATH, INDUSTRIAL
AREA, ANAND NAGAR MIDC AMBERNATH,
THANE 421501

Phone : +91 9594991196

Email : rupa.thakkar@spinkcontrols.com

Plant 2

PLOT No.: MS 114/115, AMBERNATH
INDUSTRIAL AREA, CHIKHLOLI MIDC,
AMBERNATH (W)
THANE 421501

Phone : +91 7400159593

Email : avanti.rangdal@spinkcontrols.com



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