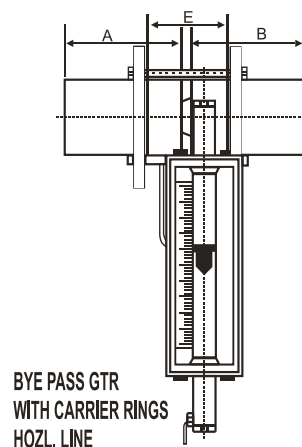
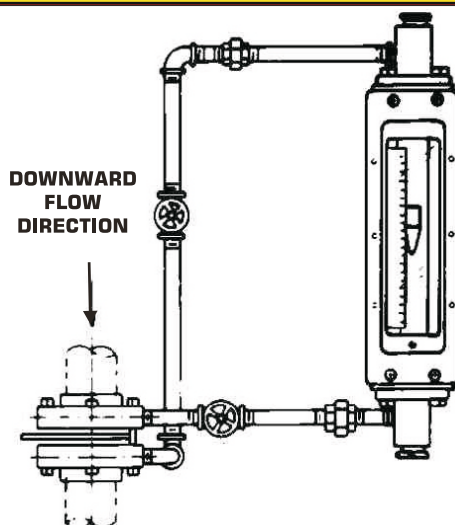
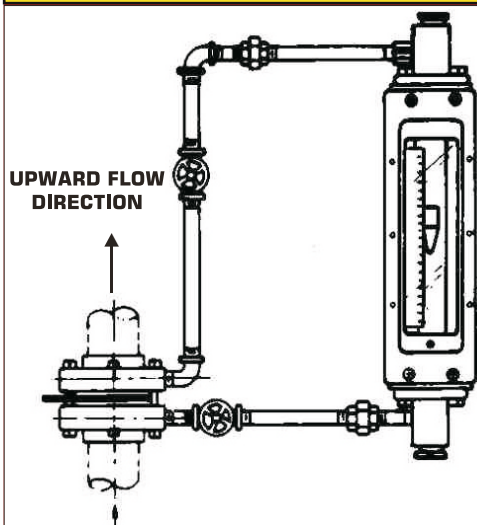
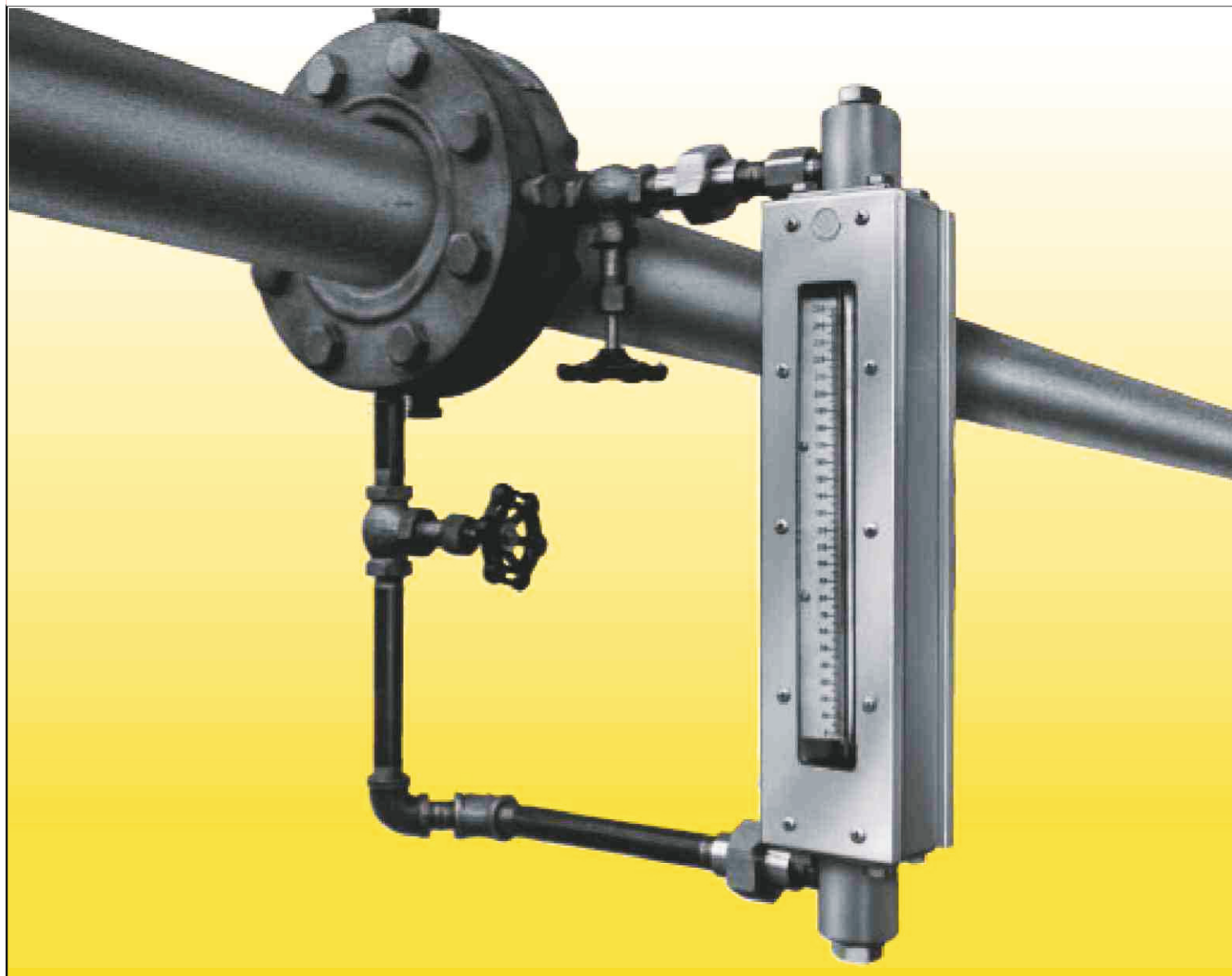
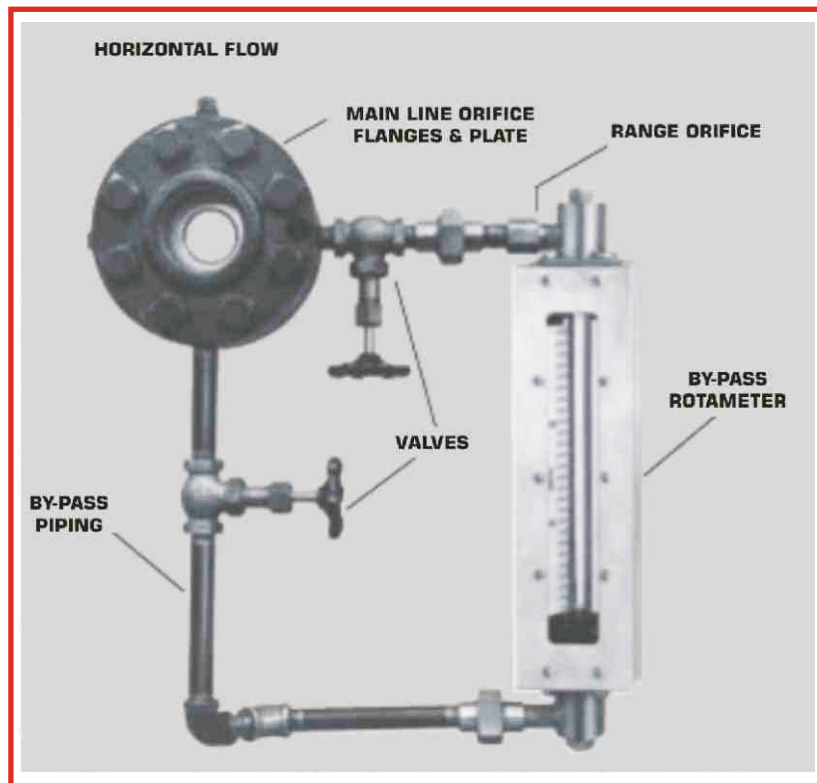


## BY - PASS ROTAMETER

### INTRODUCTION

**FITZER** Bye-Pass Rotameters are the most economical solution for flow measurement in large pipe lines and for large rate of flow suitable for measuring flow rate in 25 NB to 400 NB line size and range covered in between 20 to 800 M3/Hr water above pipe line size. The Orifice calculation and design is based IS/ BS Standards. Bye Pass systems are available in Flange Tap, Carrieng Ring Type OR D and D2 Type.





NW	MAXIMUM FLOWRATE (M3/HR)	NW	MAXIMUM FLOWRATE (M3/HR)
25	5	225	450
40	10	250	550
50	20	275	650
80	36	300	800
100	80	350	1000
125	125	400	1200
150	150	-	-
200	320	-	-

## GENERAL SPECIFICATION :

### FLOW MEASURING DEVICE :

TYPE	Glass Tube Type Rotameter
FLOAT	S. S. 304/ 316
METERING TUBE	Borosilicate tapered glass tube
GLAND PACKING	Teflon / Neoprene
SCALE	PVC Engraved scale
SECONDARY ORRIFICE	S.S. 304 at Inlet of Rotameter to adjust Pressure Drop
PRESSURE DROP	2500 MM WC / OR As per Customer Request
CASING	M.S. Powder coated / Industrial grade painted with Front & back covered with transparent acrylic/glass.
END CONNECTION	1/2" Union Type fitting, Nozzle Type OR Flange Type
FF DISTANCE	500 mm (OR as required by Customer)
INLET	Bottom
OUTLET	Top
SCALE LENGTH	200 mm Approx.
PRESSURE RATING	9 Kg/Cm2
ACCURACY	+/- 2% of Full Flow.
SCALE RANGE	Direct in M3/Hr OR USGPM Or As Customer Request
RANGEABILITY	1 : 10

## ORIFICE ASSEMBLY

1) TYPE : FLANGE TAP /CARRIER RING & D & D2 TYPE

### SYSTEM CONSISTS OF :

- 1) ORIFICE FLANGE ASSEMBLY : CS, MS,SS 304, 316, 316L, PP
- 2) FLANGE TYPE : Socket Weld ( as per customers requirement )
- 3) TAP SIZE : 1/2" BSP, NPT
- 4) ORIFICE PLATE : SS 304, 316, 316L, PP, MONEL, HASTE ALLOY 'C'
- 5) ORIFICE TYPE : SQUARE EDGE TYPE
- 5) ORIFICE BORE : DESIGNED AS PER **BS1042**
- 6) ISOLATING VALVE : SS 304, 316, MS, PP
- 6) CONNECTING TUBE : MS, SS 304 (OR Nylon Flexible Tube to fit with Rotameter Nozzle)

**FITZER**  
INSTRUMENTS  
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