

Strainer

FIG. 32

Description:

FIG. 32 Strainers are available in Cast Iron/Cast Steel with stainless steel screen having 0.8 mm dia perforations as standard.

Available Sizes and Pipe Connections :

C.I. Fig. 32 Strainer - NB 40, 50, 80, 100, 150 & 200.
C.S. Fig. 32 Strainer - NB 40,50, 80, 100.

Note : 1) For flanged strainers available in specific size/ type of strainer, please refer table 1 & 2.
2) Also available with IBR certificate.

Limiting Conditions :

	Cast Steel Strainer NIBR	Cast Steel Strainer IBR	Cast Iron Strainer NIBR	Cast Iron Strainer IBR
PMO & TMO	As per flange rating	Refer table 2 overleaf	Refer table 3 overleaf	

Material :

Sr. No.	Part	Material	Standard
1	Body	Cast Iron Cast Steel.	BS 1452 Gr. 14 ASTM A 216 Gr. WCB
2	Cap	Cast Iron Cast Steel	BS 1452 Gr. 14 ASTM A Gr. WCB
3	Screen	Stainless Steel Type 304	ASTM A - 240
4	Gasket	Compressed Asbestos Fibre	IS 2712
5	Stud	Carbon Steel.	IS 1367
6	Nut	Carbon Steel	HT IS 1367 Gr. B

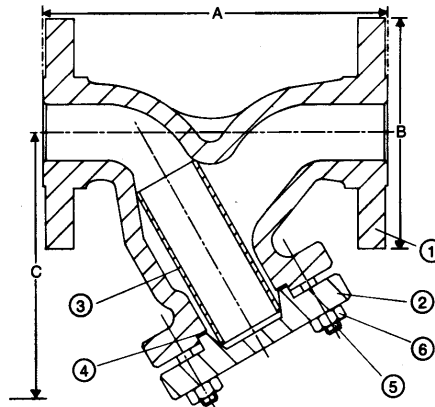


TABLE 1

C.S. STRAINER

Dimensions : (approx) mm.

DIM SIZE	A	B												C
		BS Table				ANSI				DIN-ND				
		F	H	J	K	R	150	300	600	10	16	25	40	
NB														
40	235	-	140	-	152	152	127	155	156	150	150	150	150	187
50	254	-	165	-	165	-	-	165	-	165	165	165	165	203
80	330	203	203	203	203	203	-	210	-	200	200	200	200	245
100	381	-	-	-	241	-	229	254	-	220	220	235	235	299

TABLE 2 PRESSURE RATING IN kg/cm² FPR ONR C.S. FIG. 32 STRAINER

Flange Type	Size							
	40NB		50 NB		80 NB		100 NB	
	Kg/cm ²	°C	Kg/cm ²	°C	Kg/cm ²	°C	Kg/cm ²	°C
BS 10 Table H	17.60	427	17.6	427	17.6	427	-	-
BS 10 Table K	31.63	427	31.63	427	31.63	427	31.63	427
ASA - 150	10.50	260	-	-	-	-	10.50	260
ASA - 300	25.67	427	25.67	427	-	-	25.67	427
ASA - 600	42.18	427	-	-	-	-	-	-
DIN ND - 40	40	120	40	120	40	120	40	120

TABLE PRESSURE RATING IN kg/cm² AT 220°C FOR IBR C.I. FIG. 32 STRAINER

Flange Type	Size					
	40 NB	50 NB	80 NB	100 NB	150 NB	200 NB
BS 10 Table F	7.50	6.75	9.50	10.00	10.55	10.55
ASA - 150	7.50	6.75	9.50	10.00	10.55	10.55
DIN ND-16	7.50	6.75	9.50	10.00	12.50	13.00

TABLE 4 C.I. STRAINER

Dimensions : (approx) mm

DIM SIZE	A	B				C
		BS Table	ANSI	DIN		
		F	150	ND10	ND16	
NB						
40	230	140	127	150	150	159
50	242	165	152	165	165	179
80	298	203	190	200	200	225
100	348	229	229	220	220	267
150	484	305	279	285	285	367
200	604	368	343	340	340	470

* Note ; General Tolerance upto 80 NB ± 3, above 80 NB ± 5

Screen details :

Fitted as standard with S.S. Screen having perforations of 0.8 mm dia. with 3 mm dia. perforated backing. 40, 60, 100 mesh screen is available as special on request.

How to Specify :

Example: 40 NB SPIRAX MARSHALL
(Size) (Make)
C.I. Fig. 32 Strainer Flanged Table F IBR
(M.O.C.) (Strainer type) (End Connection)

Optional :

15 NB BSPT plug on cover is available on request

Installation :

The arrow on casting indicates flow direction.

Servicing :

With suitable isolation, repairs can be carried out on line. Undo nuts and remove strainer cap. Remove muck and clean screen thoroughly. Fit screen carefully and fit cap with a new gasket. Apply a thin coating of jointing paste. Tighten nuts uniformly. Open up isolation valve. Check for gasket leak if any and tighten.

Available Spares :

Screen and gasket kits are available as spares.