

PN 16, CLASS 150

## **BASKET TYPE STRAINERS**

SPECIFICATIONS BASKET TYPE STRAINER, BOLTED BONNET, FLANGED ENDS. THESE STRAINERS ARE AVAILABLE IN CAST IRON AS WELL AS CAST STEEL CONSTRUCTION.

### 6 7 ۰uμ Ш 5 k(PCD) X n X Ød 4 -> Ødk Ø 3-Ŧ 2-1.6 LT 1 L<u>+</u>1.6 n = No. of holes Ød = Dia. of holes

**CERTIFICATE** ITEMS CAN BE SUPPLIED WITH CERTIFICATE OF MANUFACTURER AND TEST ON FROM III-C AS PER **REGULATION 269 OF IBR.** 



STANDARD MATERIAL COMBINATION												
P.N.O	QTY.	DESCRIPTION			MATERIALS							
					CAST IRON							
1	1	BODY			C.I to IS 210 Gr. FG 200							
2	1	DRAIN I	PLUG		13% Cr. S.S. To ASTMA 182 F6a							
3	1	STRAIN	ER		S.S to AISI-304 0.38"X29 HOLES PER Sq. Inch							
4	1	GASKET			С.А.Ғ. То 1832							
5	1	COVER			C.I to IS 210 Gr. FG 200							
6	TO SUIT	STUDS BOLTS & NUTS			CARBON STEEL TO BS 916							
7	1	EYE BOI	TS		CARBON STEEL							
DIMENSIONAL DATA												
NPS	1 ½″ 40	2″ 50	2 ½″ 65	3″ 80	4″ 100	5″ 125	6″ 150	8″ 200	10″ 250	12″ 300		
L	142	106	134	180	200	210	230	336	390	440		
н	200	227	287	310	354	403	467	559	740	849.5		
Aprox. Wt. 🔺												
PRODUCT CODE NO	BM 080 I	BM 080 J	BM 080 K	BM 080 L	BM 080 N	BM 080 O	BM 080 P	BM 080 R	BM 080 S	BM 080 T		
				PROD	υςτ ςοι	DE NOS						
PRODUCT C					ODE NO.		END DETAILS					
C.I. BASKET TYPE STRAINER					BM 080		FLAN	FLANGES AS PER BS 4504 PN 16				
TEST PRESSURE												
PRODUCT CODE NO.				PN OR CLASS		Т	TEST PRESSURE			STANDARD		
C.I. BASKET TYPE STRAINER BM 080				PN 16			24 BAR		BS 6755			
NOTE: The above data is subject to change without notice due to our continuing product improvement program.												

# BASKET TYPE STRAINERS

## SPECIAL FEATURES

"LEADER" Strainers are in demand for any application where straining is required due to the following special design features :

- 1) Fine finish castings to reduce pressure drop.
- 2) Screens are guided in the body.
- 3) Drain plugs provided to blow-off the accumulated foreign particles.
- 4) Bodies and baskets require little time for cleaning.
- 5) Straight through flow in baskets type strainers for minimum pressure drop.
- 6) Lifting eye-bolts and integrally cast feel provided on bigger sizes.
- 7) Large ratio between the clear area through the strainer and pipe area to limit pressure drop to the minimum.
- 8) A wide variety of corrosion resistant screens are available in a wide range of perforations to provide an answer to straining problems.

RATE OF FLOW		PRESSURE DROP IN Kg./CM2 [BASED ON 1.5 TO 3.5mm PERFORATION SIZE								
G.P.M. (U.S.)	M3/Hr.	2" 50mm	2-1/2" 65mm	3" 80mm	4" 100mm	5" 125mm	6" 150mm	8" 200mm	10" 250mm	12" 300mm
20	4.542	0.007	-	-	-	-	-	-	-	-
30	6.813	0.017	_	_	_	_	_	_	-	_
40	9.084	0.029	0.010	-	-	_	_	_	-	_
50	11.355	0.046	0.017	0.007	-	-		-	-	-
60	13.626	0.067	0.023	0.010	-	-	-	-	-	-
70	15.897	0.100	0.035	0.014	-	-	-	-	-	-
80	18.168	0.120	0.042	0.019	_	_	_	_	_	_
90	20.439	0.155	0.055	0.025	0.008	-	-	-	-	-
100	22.710	0.190	0.07	0.03	0.010	-	_	-	-	-
200	45.42	-	0.30	0.130	0.042	0.018	0.008	_	-	-
300	68.13	-	0.42	0.03	0.1	0.042	0.018	-	_	-
400	90.84	-	-	0.55	0.17	0.074	0.035	0.010	-	-
500	113.55	-	_	-	0.27	0.12	0.053	0.016	-	-
600	136.26	-	_	-	0.38	0.17	0.080	0.023	0.009	-
700	158.97	-	_	_	0.53	0.23	0.11	0.032	0.032	_
800	181.68	-	-	-	0.7	0.31	0.14	0.043	0.016	0.007
900	204.39	-	_	-	-	0.39	0.183	0.056	0.021	0.009
1000	227.1	-	-	-	-	0.49	0.225	0.07	0.027	0.011
2000	254.2	-	_	-	_	-	_	0.32	0.050	0.049
3000	681.3	-	_	_	_	_	_	0.70	0.280	0.112
4000	908.4	-	-	_	-	-	-	-	0.490	0.20
5000	1135.5	-	_	_	_	_	_	_	_	0.32
6000	1362.6	-	_	_	_	_	_	-	_	0.457
7000	1589.7	-	_	_	_	-	-	_	_	0.630

### **INFORMATION REQUIRED ALONG-WITH ENQUIRY/ORDER**

To make proper selection of the chest material and the straining element, following particulars are requested along with your enquiries order for strainers :

- 1) Fluid to be handled
- 2) Working pressure
- 3) Working temperature
- 4) Conditions of flow
- 5) Size

NOTE : details of bigger sizes can be provided on request.

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