

CAST IRON VERTICAL INVERTED TYPE STEAM TRAPS

SPECIFICATION

VERTICALLY INVERTED BUCKET TYPE, STAINLESS STEEL BUCKET, SCREWED FEMALE BSP TAPER THREADS TO BS 21 OR FLANGED ENDS AS PER BS 10 TABLE F-AS APPLICABLE, OTHER TYPE OF END DETAILS CAN BE PROVIDED ON REQUEST.

CERTIFICATE

ITEMS CAN BE SUPPLIED WITH CERTIFICATE OF MANUFACTURE AND TEST ON FORM III-C AS PER REGULATION 269 OF IBR.



WORKING PRINCIPLE:

The working principle of this type of steam trap is explained below:

- 1. Condensate enters under the inverted bucket and passes freely to the wide open valve at the top.
- 2. Steam following the condensate is trapped in the bucket; the bucket rises; lifting the valves on-to the seat. The valve remains water sealed.
- 3. Condensate enters the trap as the steam condenses, reducing the buoyancy of the bucket. The bucket sink untill the hooks pull on the valve lever.
- 4. Condensate continues to replace the steam in the bucket untill the bucket buoyancy is reduced to the point that the valve Is pulled off the seat and full bore discharge takes place. Air trapped in the bucket passes passes through the bucket vent, collects underneath the cover and is discharged ahead of the condensate. Any steam passing through the vent is condensed and offsets radiation losses from the trap body.

STANDARD MATERIAL COMBINATION				
P.NO	QTY	DESCRIPTION	MATERIAL	SPECIFICATIONS
1	1	BODY	CAST IRON	IBR CLAUSE 86 TO 93 Gr.A
2	1	BUCKET	STAINLESS STEEL	TYPE 304
3.	1	VALVE LEVER	STAINLESS STEEL	TYPE 304
4.	1	PINS	STAINLESS STEEL	ASTM 182:94 Gr. F304
5.	1	BALL	STAINLESS STEEL	ASTM 182:94 Gr. F304
6.	1	GASKET	STEAM JOINTING	IS 2712 : 79
7.	1	SEAT	STAINLESS STEEL	ASTM 182:94 Gr. F304
8.	1	COVER	CAST IRON	IBR:94 CLAUSE 86 TO 93 Gr.A
9.	1	GASKET	STEAM JOINTING	IS 2712 : 79
10.	1	PLUG	BRONZE	IBR : 94 CLAUSE 282 (a)(IV) Gr. B
11	TO SUIT	BOLTS & NUTS	CARBON STEEL	BS 916 : 53
12	1	GUIDE PINS PLATE	STAINLESS STEEL	TYPE 304

NOTE: The above data is subject to change without notice due to our continuing product improvement program.