



Item-1	Inverted Bucket type Steam Trap NB 50: Material Code	963600630000
Item-2	: Inverted Bucket type Steam Trap NB 40: Material Code	963601150000
Item-3	: Inverted Bucket type Steam Trap NB 25: Material Code	963601320000
Item-4	: Inverted Bucket type Steam Trap NB 20: Material Code	963601210000

Item-1	:	NB 50
Item-2	:	NB 40
Item-3	:	NB 25
Item-4	:	NB 20

3.	Body Rating	:	24 Kg/cm ² (g) at 315°C
4.	Trap inlet strainer	:	0.5mm Mesh size (500microns) Integral, built in.
5.	End Connection	:	Socket weld ; Bottom entry, top outlet in line along axis.
6.	Socket Weld Bore	:	a) Item-1 : 61.11 to 61.37mm (To suit NB50 SCH40 Tube) b) Item-2 : 48.64 to 48.90mm (To suit NB 40 SCH40 Tube) b) Item-3 : 33.8 to 34.15mm (To suit NB 25 SCH40 Tube) b) Item-4 : 21.72 to 21.97mm (To suit NB15 SCH40 Tube)
7.	Materials	:	
	a) Body	:	Cast carbon steel
	b) Bucket	:	Stainless steel (AISI 316 / AISI 304)
	c) Valve seat assembly	:	Stainless steel (AISI 316 / AISI 304)
	d) Strainer element	:	Stainless steel (AISI 316 / AISI 304)

	Name	Signature	Date
Prepared	G.Saravanakumar		17.07.04
Checked	S.V.Sivaramulu		17.07.04
Approved	C.Palanisamy		17.07.04

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8. Max. operating DP : 17.5 kg/cm²(g)
9. Normal operating DP : 9.0 kg/cm²(g)
10. Min. operating DP : 5.0 kg/cm²(g)
11. Trap capacity at Max. DP : a) Item-1 : 8200 kg/hr
b) Item-2 : 4500 kg/hr
c) Item-3 : 1500 kg/hr
d) Item-4 : 600 kg/hr
12. Trap capacity at Normal DP : a) Item-1 : 6500 kg/hr
b) Item-2 : 3500 kg/hr
c) Item-3 : 1250 kg/hr
d) Item-4 : 450 kg/hr
13. Trap capacity at min. DP : a) Item-1 : 4400 kg/hr
b) Item-2 : 2250 kg/hr
c) Item-3 : 750 kg/hr
d) Item-4 : 300 kg/hr

14. Certificates and Documents to be furnished by the vendor :

- Quality Plan in NTPC format shall be submitted for approval.
- IBR certificate in FORM-IIIC.
- Body hydraulic test done at 36 kg/cm²(g).
- Certificate of material and dimensional compliance.
- DP Vs Discharge performance type test for each lot.
- Certificate of chemical composition and mechanical properties of major components.

15. PAINTING

External surfaces shall be de-rusted, de-greased and epoxy coated.

16. MARKING

In addition to manufacturer's standard nameplate, name tags carrying item name and BHEL material code shall be permanently affixed to each strainer.

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17. PACKING

All interior surfaces applied with rust preventive, oil Ends firmly capped Bulk supplies packed in wooden boxes with suitable packing material and well protected against ingress of water and transit damages.

18. INWARD INSPECTION

Verification of Name tag, Name plate details and test certificates, Socket bore dimensions and surface finish shall be carried out.

19. Along with quotation vendor shall submit point to point reply to Along with quotation vendor shall submit point wise confirmation to this specification and vendor shall enclose catalogues, sectional drawings, graphs and other relevant details to assess the offer for its technical conformity to this specification.

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