	STANDARD TECHNICAL SPECIFICATION FOR AIR TRAPS	SPECIFICATION NO. PE-SS-999-555-M011	
		VOLUME . II B	
		SECTION D	
		REV. NO. 02	DATE. 19-06-2012
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1 GENERAL

This specification covers the design, materials, construction features, manufacture and testing of Air Traps along with Integral/External Strainers at Vendor's or/ and sub-Vendor's works inclusive of painting and packing requirements.

2 DESIGN REQUIREMENTS

All traps shall be suitable for removal of water from compressed air piping and shall be suitable for the service conditions i.e. flow, temperature and pressure under which they are required to operate. Those performing similar duties shall be interchangeable with each other unless otherwise specified.

3 CONSTRUCTION FEATURES:


- 3.1 The traps covered in the specification shall be of Ball Float Type/ Inverted Bucket Type with auto-drain arrangement conforming to supplier's own proven design and shall be with Integral/External Strainer designed suitably to prevent the internals of the trap from damage due to dirt etc.
- 3.2 The traps should be with internals easily accessible and replaceable.
- 3.3 Arrow showing inlet should be cast on the body of traps.
- 3.4 For ball float type traps, a balancing line connection shall also be provided at the top of the body.
- 3.5 A metallic (stainless steel plate 2mm thick) nameplate shall be fitted on each trap. Nameplate inscription required for each trap shall be indicated at the contract stage. Inscriptions shall be engraved 1 mm deep filled with enamel paint.

4 MATERIALS

- 4.1 The materials of construction of main parts of traps shall be specified in Data sheet-A.
- 4.2 The materials of construction of the remaining parts shall be suitable for the service conditions shall be subject to approval of the purchaser.
- 4.3 Materials used in manufacture of traps shall be of tested quality.

5 INSPECTION AND TESTS:

- 5.1 The items covered under this contract shall be subjected to inspection, testing and quality surveillance. The Inspection Agency shall, at all reasonable times have access to Vendor's works, Quality Control records and all facilities as reasonably required for carrying out the inspection and testing efficiently, and these shall be provided by the vendor free of cost.
- 5.2 The minimum NDT/testing and inspection requirements for traps shall be as per the attached Quality Plan. However, in case of order, final inspection and testing shall be carried out as per the final approved quality plan without any price implications.

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6 SURFACE PREPARATION AND GALVANIZING:

- 6.1 The surfaces of equipment to be galvanised shall be thoroughly cleaned of all grease, oil, loose mill scale, dirt, rust and any other foreign materials as mentioned in IS:2629.
- 6.2 Traps & Strainers bodies shall be hot dip galvanised as per IS:2629 after the necessary testing has been carried out. The minimum thickness of coating shall be 40 ~ 70 microns.

7 PROTECTION FOR DESPATCH

- 7.1 Traps shall be protected from external damage and sealed against the ingress of dirt.
- 7.2 Ends of the traps shall be protected by means of polythene caps/rubber end protectors.
- 7.3 All the traps shall be suitably packed in wooden cases in order to avoid damage during transit and also during storage at site.
- 8 Trap Tag Nos. shall also be incorporated in all the despatch documents.