

केन्द्रीय मुहर विभाग - III

हमारा संदर्भ- केन्द्रीय मुहर विभाग-3/16: IS 10617

दिनांक :15 01 2019

विषय: अनुपालन हेतु एस आई टी

सभी शाखा कार्यालय से आग्रह है कि एस आई टी का अनुपालन तत्काल प्रभाव से सुनिश्चित करें।

(अमित कुमार)
वैज्ञानिक 'सी' (सी एम डी-III)

प्रमुख (सी एम डी-III)

सभी क्षेत्रीय/शाखा कार्यालय
आई टी एस विभाग – बीआईएस इंटरनेट पर अपलोड करने हेतू

CENTRAL MARKS DEPARTMENT-III

Our Ref: CMD-3/16: IS 10617

Date: 15 01 2019

Subject: SIT for IS 10617:2018 – Hermetic Compressors – Specification (Second Revision)

This has reference to the subject mentioned above.

BOs may kindly ensure implementation of the SIT with immediate effect.

Amit Kumar
Sc. C (CMD III)

Head (CMD - III)

Circulated to: All ROs/BOs

Copy to: ITS for hosting on Intranet

**SCHEME OF INSPECTION AND TESTING FOR CERTIFICATION OF
HERMETIC COMPRESSORS
ACCORDING TO IS 10617: 2018**

1. LABORATORY - A laboratory shall be maintained which shall be suitably equipped (as per the requirement given in column 2 of Table 1) and staffed, where different tests given in the specification shall be carried out in accordance with the methods given in the specification.

1.1 The manufacturer shall prepare a calibration plan for the test equipment.

2. TEST RECORDS – The manufacturer shall maintain test records for the tests carried out to establish conformity.

3. LABELLING AND MARKING – As per the requirements of IS 10617: 2018.

4. LEVELS OF CONTROL - The tests as indicated in column 1 of [Table 1](#) and the levels of control in column 3 of [Table 1](#), shall be carried out on the whole production of the factory which is covered by this plan and appropriate records maintained in accordance with paragraph 2 above.

4.1 All the production which conforms to the Indian Standard and covered by the licence should be marked with Standard Mark.

5. REJECTIONS – Disposal of non-conforming product shall be done in such a way so as to ensure that there is no violation of provisions of BIS Act, 2016.

Table 1

TABLE 1

(1)				(2)	(3)		
Test Details				Test equipment requirement	Levels of Control		
Cl.	Requirement	Test Methods		R: required (or) S: Sub-contracting permitted	No. of Sample	Frequency	Remarks
		Clause	Reference				
TYPE TESTS							
6.1.1	Compressor Performance Test	6.1.1	IS 10617	R	Two units of identical type and capacity from each rating produced in a year		In case of failure, all the units produced subsequently shall be tested till twenty consecutive samples pass and thereafter the original frequency may be restored.
6.1.2	Startability Test	6.1.2	IS 10617	R			
6.1.3	Locked Rotor Test with Accessories	6.1.3	IS 10617	R			
6.1.4	High Voltage Test	6.1.4	IS 10617	R			
6.1.5	Leakage Current	6.1.5	IS 10617 IS 302 -1	R			
6.1.6	Pneumatic Test of Shell	6.1.6	IS 10617	R			
6.1.7	Bursting Test	6.1.7	IS 10617	R			
6.2	Holding Charge	6.2	IS 10617	R			

ROUTINE TESTS						
6.3(a)	High voltage Test	6.3(a)	IS 10617	R	Each unit	---
6.3(b)	Insulation Test	6.3(b)	IS 10617			
6.3(c)	Shell leakage Test	6.3(c)	IS 10617			
OTHER TESTS						
7	Running Overload Test	7	IS 10617	R	Two units of identical type and capacity from each rating produced in a year	---
8	Locked Rotor Test	10	IS 10617	R	Two units of identical type and capacity from each rating produced once in five years or whenever there is change in design, whichever is earlier	---
9	Resistance to Rusting Test	9 31	IS 10617 IS 302 -1	R	Each consignment of ferrous parts.	---

NOTE-1: Sub-contracting is permitted to a laboratory recognized by the Bureau or Government laboratories empanelled by the Bureau

NOTE-2: The control unit and levels of control given in column 3 are obligatory in nature to which the licensee shall comply with.