



उत्पाद मानुयल
औद्योगिक आपातकालीन वर्षा, आँख और चेहरे फव्वारे और संयोजन इकाइयाँ
IS 10592 : 2018 के अनुसार

PRODUCT MANUAL FOR
INDUSTRIAL EMERGENCY SHOWERS, EYE AND FACE FOUNTAINS AND
COMBINATION UNITS ACCORDING TO IS 10592 : 2018

भारतीय मानक ब्यूरो (अनुरूपता मूल्यांकन) विनियम 2018 की स्कीम-I के तहत यह उत्पाद मानुयल प्रमाणीकरण के प्रचलन में रीति और पारदर्शिता के सुसंगत सुनिश्चित करने के लिए सभी क्षेत्रीय/शाखा कार्यालयों एवं लाइसेन्स धारियों द्वारा संदर्भ सामग्री के रूप में उपयोग किया जाएगा। बीआईएस लाइसेन्स/प्रमाण पत्र प्राप्त करने के इच्छुक भावी आवेदकों द्वारा भी इस दस्तावेज़ का उपयोग किया जा सकता है।

This Product Manual shall be used as reference material by all Regional/Branch Offices & licensees to ensure coherence of practice and transparency in operation of certification under Scheme-I of Bureau of Indian Standards (Conformity Assessment) Regulations, 2018 for various products. The document may also be used by prospective applicants desirous of obtaining BIS certification licence/certificate.

1.	उत्पाद Product	:	IS 10592 : 2018
	शीर्षक Title	:	औद्योगिक आपातकालीन वर्षा, आँख और चेहरे फव्वारे और संयोजन इकाइयाँ Industrial Emergency Showers, Eye and Face Fountains and Combination Units
	संशोधन संख्या No. of Amendments	:	Nil
2.	नमूनाकरण दिशा निर्देश Sampling Guidelines:		
a)	कच्चा माल Raw material	:	No Specific Requirements
b)	समूहिकरण दिशा निर्देश Grouping guidelines	:	Sample of Each variety shall be tested.
c)	नमूने का परिमाण Sample Size	:	One

3.	परीक्षण उपकरणों की सूची List of Test Equipment	:	कृपया Annex-A देखें Please see Annex – A
4.	निरीक्षण व परीक्षण स्कीम Scheme of Inspection and Testing	:	कृपया Annex-B देखें Please see Annex – B
5.	एक दिन में संभावित परीक्षण Possible tests in a day :		
	Since testing facility is not available in any BIS/BIS recognized lab, complete testing has to be carried out in the Factory for considering certification and during surveillance, one day required for complete testing.		
6.	लाइसेन्स का कार्यक्षेत्र/Scope of the Licence :		
	IS 10592 : 2018 के अनुसार मानक मुहर का उपयोग करने के लिए लाइसेन्स निम्नलिखित कार्यक्षेत्र के लिए प्रदान किया जाता है Licence is granted to use Standard Mark as per 10592 : 2018 with the following scope:		
	उत्पाद का नाम Name of the product		औद्योगिक आपातकालीन वर्षा, आँख और चेहरे फव्वारे और संयोजन इकाइयाँ Industrial Emergency Showers, Eye and Face Fountains and Combination Units
	विविधता Variety		Emergency Showers and/or Eye/Face Wash Fountains and/or Self-Contained Face/Eyewash and/or Combination Shower and Eyewash or Eye/Face wash Fountain

ANNEX A

**LIST OF TEST EQUIPMENTS
INDUSTRIAL EMERGENCY SHOWERS, EYE AND FACE FOUNTAINS AND
COMBINATION UNITS ACCORDING TO IS 10592 : 2018**

Major test equipment required to test as per the Indian Standard

Sr. No.	Tests used in with Clause Reference	Test equipment
EMERGENCY SHOWER		
1.	Basic Design (Clause 4.1)	Water tank with Compressed Air Pressure Regulator, Flow Meter, Pressure Gauge, Angle/degree protector,
2.	Performance (Clause 4.2 & 4.4)	Measuring tape/Steel Scale, Stop watch, Flow Meter/ other means to determine the rate of flow, Water tank with Compressed Air Pressure Regulator, Pressure Gauge,
EYE/FACE WASH FOUNTAINS		
3.	Basic Design (Clause 5.1)	Water tank with Compressed Air Pressure Regulator Pressure Gauge Flow Meter Measuring tape/steel scale
4.	Performance (Clause 5.2 & 5.4)	Flow Meter/ other means to determine the rate of flow Stop watch Pressure Gauge
SELF CONTAINED FACE/EYEWASH		
5.	Basic Design (Clause 6.1)	Measuring Jar Stop watch Measuring tape/steel scale
6.	Performance (Clause 6.2 & Clause 6.3)	Measuring Jar Stop watch
COMBINATION SHOWER AND EYEWASH OR EYE/FACEWASH FOUNTAIN		
7.	Performance requirements for combination units (Clause 7.1)	Measuring tape/steel scale Water tank with Compressed Air Pressure Regulator Pressure Gauge Flow Meter/ other means to determine the rate of flow Stop watch Angle/degree protector,

The above list is indicative only and may not be treated as exhaustive

ANNEXURE-B

**SCHEME OF INSPECTION AND TESTING FOR
INDUSTRIAL EMERGENCY SHOWERS, EYE AND FACE FOUNTAINS AND
COMBINATION UNITS ACCORDING TO IS 10592 : 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 equipments.

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

3. **LABELLING AND MARKING** – The Standard Mark as given in the schedule of the licence shall be legibly and indelibly marked on each unit and its packaging along with the other marking details as required by the standard. Packing and Marking shall be done as per the provisions of the IS 10592:2018. The following shall be marked in addition –

a) The BIS licence number CM/L ---

b) The phrase 'Please see www.bis.gov.in for BIS certification details'. *

*In case of space constraints, (b) may be marked only on the package

4. **CONTROL UNIT** – For the purpose of this scheme, each unit shall be considered a control unit.

5. **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.

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

6. **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 LEVELS OF CONTROL
(Para 5.0 of the Scheme of Inspection and Testing)

(1)				(2)	(3)		
Test Details				Test equipment requirement R: required (or) S: Sub contracting permitted	Levels of Control		
Cl.	Requirement	Test Method			No. of Sample	Frequency	Remarks
		Clause	Reference				
	EMERGENCY SHOWER						
4.1	Basic Design	4.1	IS 10592 : 2018	R	Each unit		
4.2	Performance	4.4	-do-	R	-do-		
	EYE/FACE WASH FOUNTAINS						
5.1	Basic Design	5.1	-do-	R	Each unit		
5.2	Performance	5.4	-do-	R	-do-		
	SELF CONTAINED FACE/EYEWASH						
6.1	Basic Design	6.1	-do-	R	Each unit		
6.3	Performance	6.3	-do-	R	-do-		
	COMBINATION SHOWER AND EYEWASH OR EYE/FACEWASH FOUNTAIN						
7.1	Performance requirements for combination units	7.1	-do-	R	Each unit		

Note-1: Levels of control given in column 3 are only recommendatory in nature. The manufacturer may define the control unit/batch/lot and submit his own levels of control in column 3 with proper justification for approval by BO Head.