



**PRODUCT MANUAL FOR
VARIABLE FLOW TYPE AIR-PERMEABILITY
APPARATUS (BLAINE TYPE)
ACCORDING TO IS 5516: 1996**

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.	Product	:	IS 5516: 1996
	Title	:	Variable Flow Type Air-Permeability Apparatus (Blaine Type)
	No. of Amendments	:	Nil
2.	Sampling Guidelines:		
a)	Raw material	:	As per clause 3, Table 1 of IS 5516: 1996
b)	Grouping guidelines	:	NA
c)	Sample Size	:	1 apparatus with all accessories
3.	List of Test Equipment	:	Please refer ANNEX – A
4.	Scheme of Inspection and Testing	:	Please refer ANNEX – B
5.	Possible tests in a day:		
	i)	Dimensions (Clause 4)	
	ii)	Parts and Accessories (Clause 6)	
6.	Scope of the Licence:		
	“Licence is granted to use Standard Mark on Variable Flow Type Air-Permeability Apparatus (Blaine Type) as per IS 5516: 1996“		

ANNEX A**List of Test Equipment**

Major test equipment required to test as per the Indian Standard

Sl. No.	Tests used in with Clause Reference	Test Equipment
1.	Dimensions (Clause 4) Parts and Accessories (Clause 6)	<ul style="list-style-type: none">- Micrometer- Vernier calliper- Bevel Protector- Plug gauges

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

ANNEX B

Scheme of Inspection and Testing

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 requirement of IS 5516: 1996

4. CONTROL UNIT – All air permeability apparatus manufactured in a day shall constitute 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

(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				
3	Material	3, Table 1	IS 5516	-	Each component	Each consignment	Adequate inspection shall be done to ensure quality of components as per Standard. Record for conformity of product as per relevant ISS may be maintained.
4	Dimensions	4, Fig 1	IS 5516	R	Each apparatus	-	-
6	Parts and Accessories	6.1 to 6.6, Fig 1	IS 5516	R	Each apparatus	-	-

Note-1: Levels of control given in column 3 are obligatory in nature to which the licensee shall comply with.