

FOR CERTIFICATION OF
 FOOTVALVES REFLUX VALVES OR NON-RETURN VALVES
 AND BORE VALVES TO BE USED IN SUCTION LINES OF
 AGRICULTURAL PUMPING SYSTEMS ACCORDING TO IS:10805-1986.

1. A testing section shall be maintained which shall be suitably equipped and staffed where different tests and inspections given in the specification shall be carried out.

1.1. All the testing equipment shall be checked periodically and records of such checks shall be maintained. All pressure gauges shall be calibrated atleast once in two months.

2. All records of tests and inspection shall be maintained in suitable forms approved by the Institution.

2.1 Copies of any records and charts that may be required by the Institution shall be made available at any time on request.

2.2. It is recommended that as far as possible, statistical quality control (SQC) methods may be used for inspection and testing as required under this scheme [See IS:397 (Part I)-1972 and IS:397(Part II)-1975]

3. The standard mark as given in column 1 of the first schedule of the licence shall be applied on the body of the Valve provided always the valve to which the mark is thus applied conforms to every requirement of the specification. The standard mark shall be stencil-painted

3.1 The following information shall also be provided on the body of the Valve:-

- | | |
|--|--------------------|
| a) Manufacturer's name or recognised trade mark. | } by cast-
mark |
| b) Nominal size of the valve in mm | |
| c) Serial number of the valve | |

4. The tests as indicated in Table-1 and at the levels of control specified therein, shall be carried out on the whole production of the factory covered by the scheme and appropriate records and charts maintained in accordance with paragraph 2 above. All the production which conforms to the Indian Standard and covered by this licence shall be marked with ISI Certification Mark.

5. In respect of all other clauses of the specification and all stages of manufacture, the factory shall maintain appropriate controls and checks to ensure that their products conforms to the various requirements of the specification.

6. A separate record shall be maintained giving information relating to the rejection of valves which do not conform to the specification and the method of their disposal.

7. It is recommended that as far as possible all raw-material and components shall be procured in accordance with relevant Indian Standards and a test certificate shall be obtained from the supplier guaranteeing their conformity to the Indian Standard.

8. The manufacturer shall declare the design of the valve prior to grant of licence to use ISI Mark on it and shall ensure that the subsequent production is manufactured in accordance with the provisions of the design and its limitations. Upon change in design the licensee shall have to seek fresh approval of the Institution before applying standard mark on the changed design.

9. The licence shall supply, free of charge, the samples required in accordance with regulation 10 of the Indian Standard Institution (Certification Mark) Regulations 1955 as subsequently amended, from his factory or godowns. The samples of valves so supplied would be returned to the licensee after the tests have been carried out. The transport charges shall be borne by the licensee. The Institution shall pay for the samples taken by it from the open market.

10. REPLACEMENT- Whenever a complaint is received soon after the goods with ISI Mark have been purchased and used, and if there is adequate evidence that the goods have not been misused, defective goods or their components are replaced or repaired free of cost by the licensee in case the complaint is proved to be genuine and the warranty period (Where applicable) has not expired. The final authority to judge conformity of the product to the Indian Standard shall rest with the Institution.

11. The marking of the product shall be suspended under intimation to the Institution, if at any time, there is some difficulty in maintaining the conformity of the product to the specification, or the testing equipment goes out of order, or if proper testing personnel are not available or if directed to do so by the Institution for any reason. The marking may be resumed under intimation to the Institution as soon as the defects are removed or when the Institution gives the permission to do so.

12. The licensee shall send to the Institution, as per the enclosed proforma, a statement of the quantity produced, marked and exported by him and the trade value thereof during the half calendar year ending 30 June and 31 December regularly. This statement is required to be forwarded to the Institution on or before the 31st day of July and January for the preceding half year.

Table 1.....

IS:10805-1986

FOOTVALVES REFLUX VALVES OR NON-RETURN VALVES AND BORE VALVES TO BE USED IN SUCTION LINES OF AGRICULTURAL PUMPING SYSTEMS

TABLE 1 LEVELS OF CONTROL
(Para 4 of the Scheme of Testing and Inspection)

Clause	Test Details			Levels of Control	Remarks
	Requirement	Test Method Clause & Reference	No. of Samples		
2.	Dimensions	Table-1 IS:10805-86	Each Valve		Gauges shall be used in regular testing.
3.	Materials	Relevant Indian Standard	One	Each consign-ment	Alternatively if test certificate regarding conformity to the relevant Indian Standard is provided by the manufacturer, further testing shall not be necessary.
4.2 & 4.3	Pipe Threads Flange Dimensions	IS:554-1985 IS:1536-1976	One One	Every 10th valve of each nominal size	In case of failure, the subject valve shall be rejected/ repaired and subsequently each valve shall be tested. When 10 consecutive samples are found passing, the original frequency may be restored.
5.	Coating	IS:10805-1986 & IS:341-1971 5.1.1 or IS:153-1965	One	Each drum of 20 Litres	No testing shall be required if the material is ISI marked or if accompanied by a test certificate from the supplier.
6.1 & 6.2	Seat test Housing test Test for friction coefficient	IS:10805-1986 IS:10805-1986 & IS:10805-1986	Each Valve		The samples shall be tested by rotation and it shall be ensured that all the sizes are tested at least once in every two months.

One Valve from each size and type in a fortnight.