

**BUREAU OF INDIAN STANDARDS**

**DRAFT FOR COMMENTS ONLY**

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**DRAFT AMENDMENT NO. 3**

**TO**

**IS 13095 : 2020 BUTTERFLY VALVES FOR GENERAL PURPOSES**

*( First Revision )*

ICS 23.060.01

Chemical Engineering Plant and Related Equipment Sectional Committee, MED 17	Last date for comments is <b>22 September 2025</b>
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*(Page 6, clause 17, third sentence)* — Substitute the following for the existing:

‘Testing may be carried out preferably before application of paint or other similar treatment.’

*(Page 6, clause 17.2)* — Substitute the following for the existing:

**‘17.2 Body Test**

Completely assembled valve shall be tested as follows:

The test shall be conducted at ambient temperature conditions. The body ends shall be blanked so that the valve is subjected to the full pressure in all directions induced by the test pressure. Wafer valves may be tested in any suitable manner agreed between the purchaser and the manufacturer. The valve disc shall be in slightly open position with pressure equivalent to 1.5 times the maximum permissible working pressure (*see 7.1*) which shall be applied with water. The duration of this test shall be as in Table 3.’

*(Page 6, clause 17.3.1)* — Substitute the following for the existing:

‘**17.3.1** The test shall be conducted at ambient temperature conditions. Each valve shall be shop tested for leaks in closed position. The test shall be conducted with the body flanges in a horizontal position. Pressure shall be applied to the upstream end of the valve, the downstream being open to atmosphere. The duration of test shall be as per Table 3. There shall be no indication of leakage past the valve disc during test and valves shall be drop tight. Seat test shall be carried out in both the directions of valve if agreed between the manufacturer and the purchaser. The seat test pressure applied on upstream side shall be equivalent to 1.1 times the maximum permissible working pressure (*see 7.1*) which shall be applied with water.’

*(Page 6, clause 17.4)* — Substitute the following for the existing:

**‘17.4 Disc Strength Test**

The test shall be conducted at ambient temperature conditions with the body flanges in horizontal position. The test pressure shall be 1.5 times the maximum permissible working pressure (*see 7.1*). With

disc in closed position, hydro-test pressure shall be applied to the lower face of the disc for duration as per Table 3. There shall be no damage to the valve disc nor shall any part of valve or disc be permanently deformed by the test. The purpose of this test is to provide evidence of the adequacy and structural integrity of disc and body. Any leakage past the seat shall not be the criteria for rejection of the valve (sampling test sample as per IS 2500). For regulating type valves, disc strength shall not be applicable.'

(MED 17)