

DRAFT AMENDMENT NO. 1 JANUARY 2025

TO

**IS 13363 : 2017 Automotive vehicles — Air brake systems — Performance
requirements for drain valves
(First Revision)**

(Page 1, Clause 4.1) — Substitute the following for the existing clause:

‘4.1 Working Conditions

Working medium	Air
Normal working pressure	800 / 1 000 kPa (8 / 10 bar)
Maximum working pressure	1 250 kPa (12.5 bar)
Thermal range of operation:	
Normal	10 °C to 50 °C
Extreme	– 40 °C to 80 °C

(Page 1, Clause 5.4) — Substitute the following for the existing clause:

‘5.4 Test requirement shall be as agreed to between the manufacturer and the purchaser. In the absence of any such agreement the following tests shall be carried out on the specimen:

Endurance Test The unit shall be subjected to an endurance test of 2 000 cycles under the following conditions:

Volume for reservoir for
Volume for reservoir for which is screwed 5 litres
Air pressure applied 1 200 kPa (12 bar)
Frequency 12 cycles / h’

(Page 2, Clause 5.8) — Substitute the following for the existing clause:

‘5.8 Over Pressure Test

The unit shall be subjected to air pressure of 1 900 kPa (19 bar) for 10 s. The valve shall then pass the tests as per 5.2 and 5.3.’

(Page 2, Clause 5.9) — Substitute the following for the existing clause:

‘5.9 Water Spray Test

Test requirement shall be as agreed to between the manufacturer and the purchaser. In the absence of any such agreement the following tests shall be carried out on the specimen:

The components shall be subjected to a driving rain test as per IS 9000 (Part 16). The component shall reveal no defects after the test.’

(Page 2, Clause 5.10) — Substitute the following for the existing clause:

‘5.10 Vibration Test

The unit shall be subjected to a vibration acceleration level of 5g at 60 Hz, for 8 h in actual installation orientation or as mutually agreed to between the supplier and the purchaser. At the end of the test, the unit shall not have any structural damage. Further, the unit shall meet test as per 5.2 and 5.3.’