

DIN EN 15092:2008-09 (E)

Building valves - Inline hot water supply tempering valves - Tests and requirements

Contents		Page
Foreword		3
Introduction		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	6
4	Materials and surface finishes	7
4.1	General	7
4.2	Nature of materials	7
5	Design and dimensional requirements	8
5.1	Backflow prevention	8
5.2	Dimensional characteristics	8
5.3	Set temperature adjustment	10
5.4	Temperature override function	10
6	Mechanical tests and requirements	10
6.1	Body strength test	10
6.2	Bending moment test for tempering valves	10
6.3	Torque tests for temperature stops	11
7	Performance tests and requirements	12
7.1	General	12
7.2	Standard test conditions	12
7.3	Verification of valve temperature settings	13
7.4	Determination of minimum flow rate	14
7.5	Test for temperature stability starting from ambient	16
7.6	Test for temperature stability with changing flow rates	17
7.7	Test for thermal shutoff with cold water supply failure	18
7.8	Test for temperature stability with changing inlet pressure	18
7.9	Test for temperature stability with changing inlet temperature	19
7.10	Endurance test on the thermostat	20
8	Acoustic tests and requirements	21
8.1	General	21
8.2	Test method	21
8.3	Expression of results	21
8.4	Requirements	21
9	Classification	21
10	Designation	21
11	Marking	22
11.1	Temperature marking	22
11.2	Flow marking	22
11.3	Identification marking	22

12	Instructions	22
	Annex A (informative) Apparatus for endurance test on thermostat	24
	Annex B (informative) Apparatus for performance test	26
	Annex C (normative) Measurement of parameters	28
	Annex D (informative) Temperature transient requirements	29
	Bibliography	30