

DIN EN 17821:2023-09 (E)

Building valves - Frost resistant taps for outdoor use (FRT) - General technical specification

Contents		Page
European foreword		3
1	Scope	4
2	Normative references	5
3	Terms and definitions	5
4	Materials	6
4.1	General	6
4.2	Dezincification resistant copper alloy	6
4.3	Corrosion	6
5	Characteristics	7
5.1	Dimensions and Design	7
5.2	Protection unit against backflow	8
5.3	Resistance against to damage by frost	8
5.4	Types of connection	9
5.5	General tolerances	9
6	Test methods and requirements	9
6.1	Determination of automatic drainage	9
6.2	Determination of resistance against damage by frost by controlled expansion	10
6.3	Leak tightness characteristics	11
6.4	Bending test	12
6.5	Torsion strength of control elements	14
6.6	Mechanical endurance characteristics of the operating mechanism	15
6.7	Resistance under internal pressure	16
6.8	Flow rate	18
6.9	Acoustic behaviour	18
7	Marking and technical product information	19
7.1	General	19
7.2	Marking	19
7.3	Technical product information	19
Annex A (informative) Tests and sampling		21
Bibliography		22