

DIN EN 14812:2006-02 (E)

Water conditioning equipment inside buildings - Chemical dosing systems - Pre-set dosing systems - Requirements for performance, safety and testing

Contents		Page
Foreword		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	6
4	Design requirements	6
4.1	Materials of construction	6
4.2	Connections	7
4.3	Venting	7
4.4	Radio interference and electrical safety	7
4.5	Dosing agent containers	7
4.6	Accessibility	7
4.7	Nominal size	7
5	Performance requirements	8
5.1	Dosing and dosing agents	8
5.1.1	Dosing agents	8
5.1.2	Dosing	8
5.2	Working ranges	8
5.3	Protection against backflow of proprietary chemical	9
5.4	Working temperature range	9
5.5	Pressure conditions	9
5.5.1	Nominal pressure and working pressure range	9
5.5.2	Effects of pressure variations	9
5.5.3	Pressure drop	9
5.5.4	Water hammer	9
6	Testing	9
6.1	General	9
6.2	Dosing and dosing agents	10
6.2.1	Test rig	10
6.2.2	Analysis	11
6.2.3	Quality of test water	11
6.2.4	Sampling	11
6.2.5	Evaluation of results	11
6.2.6	Dosing agents	11
6.2.7	Dosing	11
6.3	Working ranges	12
6.4	Protection against backflow of dosing agent	12
6.4.1	Procedure	12
6.4.2	Evaluation of results	12
6.5	Pressure conditions	12
6.5.1	Nominal pressure and working pressure range	12
6.5.2	Static pressure	13
6.5.3	Dynamic pressure	13
6.5.4	Working pressure range	13
6.5.5	Pressure drop	13

7	Labelling	13
7.1	Nameplate on dosing apparatus	13
7.2	Information to be given on dosing agent container	14
8	Manufacturer's product information	14
	Annex A (informative) Examples of connections	15
	Bibliography	16