DIN EN 12259-12:2023-11 (E)

Fixed firefighting systems - Components for sprinkler and water spray systems - Part 12: Pumps

Contents

Page

European foreword 3

1 Scope 4

2 Normative references 4

3 Terms, definitions, symbols and abbreviated terms 4
3.1 Terms and definitions 4
3.2 Symbols and abbreviated terms 5

4 Assessment methods and criteria 5
4.1 Characteristic curves, minimum flow and rotational speed tests 5
4.1.1 Assessment method 5
4.1.2 Criteria for rotational speed 6
4.1.3 Criteria for characteristic curves 6
4.2 Minimum flow 7
4.2.1 Assessment method 7
4.2.2 Criteria 7
4.3 Pump materials 7
4.3.1 Assessment method 7
4.3.2 Criteria 7
4.4 Pump casing strength 7
4.4.1 Assessment method 7
4.4.2 Criteria 7
4.5 Pump leakage test 8
4.5.1 Assessment method 8
4.5.2 Criteria 8
4.6 Stress calculations 8
4.6.1 Assessment method 8
4.6.2 Criteria 8

5 Marking and documentation 8
5.1 General 8
5.2 Marking 9
5.3 Documentation 9

Annex A (informative) Example pump characteristic curve sheets 11

Annex B (informative) Specimen of manufacturer's name plate 14

Bibliography 15