DIN EN 12416-1:2007-09 (E)

Fixed firefighting systems - Powder systems - Part 1: Requirements and test methods for components (includes Amendment A2:2007)

Contents

Page

Foreword 3

Introduction 3

1 Scope 4

2 Normative references 4

3 Terms and definitions 5

4 General requirements for components 7

5 Powder container 7

6 Expellant gas container assembly 8

7 Pressure gauges 9

8 Pressure regulators 9

9 Actuators 10

10 Main isolating valve and selector valve 11

11 Nozzles 12

12 Documentation 13

13 Marking 14

14 Type test methods 15

15 Evaluation of conformity 17

Annex A (normative) #Compliance test$ 18

Annex B (normative) Internal pressure test 18

Annex C (normative) Operating force and function test 18

Annex D (normative) #Determination of the remaining media in the container after discharge 20

Annex E (normative) Opening and closing times 20

Annex F (normative) Low temperature test for actuators and valves 20

Annex G (normative) High temperature test 21

Annex H (normative) Vibration test 21

Annex I (normative) Reliability test 22

Annex J (normative) Salt spray corrosion test 22

Annex K (normative) Stress corrosion test 22

Annex L (normative) Strength test for pressure regulators, main isolating valves and selector valves 23

Annex M (normative) Jet velocity test 23

Annex N (normative) Flow rate test 24