DIN EN 12416-1:2020-11 (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