DIN EN ISO 12402-6:2021-04 (E)

Personal flotation devices - Part 6: Special application lifejackets and buoyancy aids - Safety requirements and additional test methods (ISO 12402-6:2020)

Contents

Page

European foreword ... **5**

Annex ZA (informative) **Relationship between this European Standard and the essential requirements of Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment aimed to be covered** ... **6**

Foreword ... **8**

Introduction ... **9**

1 Scope ... **11**

2 Normative references ... **11**

3 Terms and definitions ... **12**

4 Classification of PFDs ... **14**
4.1 Classes ... 14
4.1.1 Buoyancy aids ... 14
4.1.2 Lifejackets ... 14
4.1.3 Special application PFDs ... 14
4.2 Performance levels ... 14
4.2.1 Level 50 ... 14
4.2.2 Level 100 ... 15
4.2.3 Level 150 ... 15
4.2.4 Level 275 ... 15

5 Special application PFDs ... **15**
5.1 General ... 15
5.2 Application-specific PFDs ... 15
5.3 User-assisted PFDs ... 16

6 Requirements for user-assisted PFDs ... **16**
6.1 Principles ... 16
6.2 User-convertible inflatable PFDs ... 17
6.2.1 General ... 17
6.2.2 Additional requirements for user-convertible inflatable PFDs ... 17
6.2.3 Additional marking, information supplied by the manufacturer, and consumer information at point of sale for user-convertible inflatable PFDs ... 17
6.3 Manual-only inflatable PFDs ... 18
6.3.1 General ... 18
6.3.2 Additional requirements for manual-only inflatable PFDs ... 18
6.3.3 Additional marking, information supplied by the manufacturer, and consumer information at point of sale for manual-only inflatable PFDs ... 18
6.4 Inherently buoyant flotation suit PFDs ... 18
6.4.1 General ... 18
6.4.2 Specific requirements for inherently buoyant flotation suit PFDs ... 19
6.4.3 Additional marking, information supplied by the manufacturer, and consumer information at point of sale for inherently buoyant flotation suit PFDs ... 19
6.5 Hybrid PFDs ... 20
6.5.1 General ... 20
6.5.2 Specific requirements for hybrid PFDs ... 20
6.5.3 Additional marking, information supplied by the manufacturer, and consumer information at point of sale for hybrid PFDs ... 20

6.6 PFDs without a cylinder seal indicator 20
6.6.1 General 20
6.6.2 Additional marking, information supplied by the manufacturer, and consumer information at point of sale for PFDs without cylinder seal indication 21

7 Requirements for application-specific PFDs 21
7.1 General 21
7.1.1 Principles 21
7.1.2 Basic requirements 21
7.2 Offshore sailing lifejackets 21
7.2.1 General 21
7.2.2 Specific requirements for offshore sailing lifejackets 22
7.2.3 Additional marking, information supplied by the manufacturer, and consumer information at point of sale for offshore sailing lifejackets 22
7.3 PFDs for firefighting application 22
7.3.1 General 22
7.3.2 Specific requirements for PFDs for firefighting application 22
7.3.3 Additional marking, information supplied by the manufacturer, and consumer information at point of sale for PFDs for firefighting application 23
7.4 Commercial white-water PFDs 23
7.4.1 General 23
7.4.2 Specific requirements for PFDs intended for commercial white-water 23
7.4.3 Additional marking, information supplied by the manufacturer, and consumer information at point of sale for commercial white-water PFDs 25
7.5 PFDs for personal water craft, water skiing, or similar towed uses 25
7.5.1 General 25
7.5.2 Specific requirements for PFDs for personal water craft, water skiing, or similar towed uses 25
7.5.3 Additional marking 26
7.6 Inflatable PFDs for cold environment 26
7.6.1 General 26
7.6.2 Specific Requirements for PFDs for cold environment 26
7.6.3 Additional marking, information supplied by the manufacturer, and consumer information at point of sale for PFDs for cold environment 27
7.7 PFDs for swift water rescue 28
7.7.1 General 28
7.7.2 Specific requirements for PFDs used for swift water rescue 28
7.7.3 Specific tests for PFDs used for swift water rescue 29
7.7.4 Additional marking, information supplied by the manufacturer, and consumer information at point of sale for PFDs used for swift water rescue 30
7.8 PFDs for fall arrest 30
7.8.1 General 30
7.8.2 Specific requirements for PFDs for fall arrest 31
7.8.3 Additional marking, information supplied by the manufacturer, and consumer information at point of sale for PFDs for fall arrest 31
7.9 PFDs with quick-release harness systems 31
7.9.1 General 31
7.9.2 Quick-release mechanism test 32
7.9.3 Additional marking, information supplied by the manufacturer, and consumer information at point of sale for PFDs with quick-release harness systems 32

Bibliography 34