

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