

# ISO 23121-2:2019-12 (E)

## Ships and marine technology - Inflatable buoyancy support systems against flooding of ships - Part 2 : Buoyancy chamber

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
1	Scope .....	1
2	Normative references .....	1
3	Terms and definitions .....	1
4	General requirements .....	2
4.1	General .....	2
4.2	Valves .....	2
4.2.1	Topping-up inflation valve .....	2
4.2.2	Non-return valve .....	2
4.2.3	Relief valve .....	2
4.3	Indicator .....	2
4.4	High pressure hose assembly (if fitted) .....	2
5	Materials .....	3
5.1	Metallic parts .....	3
5.2	Fabrics .....	3
5.3	Test methods .....	4
5.3.1	General conditions .....	4
5.3.2	Test specimens .....	4
5.3.3	Tensile strength .....	4
5.3.4	Tear test (constant rate of traverse method) .....	4
5.3.5	Coating adhesion, ply separation and surface receptiveness test .....	4
5.3.6	Low temperature bend test .....	4
5.3.7	Porosity test .....	4
5.3.8	Ageing test .....	5
5.3.9	Hydrolysis test .....	5
5.3.10	Resistance to blocking test .....	5
5.3.11	Oil resistance test .....	5
5.3.12	Seam strength test .....	5
6	Inflation tests .....	5
6.1	General .....	5
6.2	Ambient temperature test .....	5
6.3	High temperature test .....	6
6.4	Low temperature test .....	6
6.5	Pressure test .....	6
6.5.1	Test for air pressure conservation .....	6
6.5.2	Excess pressure test .....	6
Bibliography .....		8