

DIN EN 378-2:2008-06 (E)

Refrigerating systems and heat pumps - Safety and environmental requirements - Part 2: Design, construction, testing, marking and documentation

Contents		Page
Foreword		3
Introduction		4
1	Scope	5
2	Normative references	6
3	Terms, definitions, designations, classification and abbreviations	9
3.1	Terms and definitions	9
3.2	Designations and classification	9
3.3	Abbreviations	9
4	Significant hazards	9
5	Safety requirements and/or measures	9
5.1	General safety and/or environmental requirements	9
5.2	Safety requirements for components and piping	10
5.3	Miscellaneous components	13
6	Requirements for assemblies	17
6.1	General	17
6.2	Design and construction	17
6.3	Testing	40
6.4	Marking and documentation	43
Annex A (normative) Additional requirements for refrigerating systems and heat pumps with R717		48
Annex B (normative) Determination of category for assemblies		49
Annex C (normative) Requirements for intrinsic safety test		54
Annex D (normative) List of significant hazards		56
Annex E (informative) Assessment of assemblies for compliance with directive 97/23/EC		57
Annex F (informative) Examples for arrangement of pressure relief devices in refrigerating systems		58
Annex G (informative) Checklist for external visual inspection of the installation		61
Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 97/23/EC		62
Annex ZB (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 98/37/EC		63
Bibliography		65