

DIN EN ISO 16136:2019-12 (E)

Industrial valves - Butterfly valves of thermoplastics materials (ISO 16136:2006 + Amd 1:2019) (include s Amendment :2019)

Contents

Page

European foreword.....	4
[A1] European foreword to Amendment A1 [A1]	5
[A1] Annex ZA (informative) Relationship between this European Standard and the essential requirements of Directive 2014/68/EU (Pressure Equipment Directive) aimed to be covered [A1]	6
[A1] Foreword to Amendment 1 [A1]	7
1 Scope	8
2 Normative references	8
3 Terms and definitions	9
4 Requirements	11
4.1 Design	11
4.1.1 Valve function	11
4.1.2 Design characteristics	11
4.1.3 Types of valve end connection	11
4.2 Materials	12
4.2.1 Materials for the shell	12
4.2.2 Materials for other valve components	12
4.3 Pressure/temperature rating	12
4.4 Dimensions	13
4.4.1 Face-to-face dimensions	13
4.4.2 Joint dimensions of the valve end connections	14
4.5 Operation	14
4.6 Functional characteristics	14
4.6.1 Design strength	14
4.6.2 Flow characteristics	14
4.6.3 Seat and packing/shell leaktightness	15
4.6.4 Operating torque	15
4.6.5 Permissible manual forces	15
4.6.6 Durability	15
4.7 Manufacture	15
4.7.1 Traceability for materials of body and bonnet/cover	15
4.7.2 Permanent jointing	15
4.8 Other requirements	16
4.8.1 Wear	16
4.8.2 Corrosion resistance or other chemical attack	16
4.8.3 Operating instructions	16
5 Test procedures	16
5.1 Documentation of test results	16
5.2 Initial type tests	16
5.2.1 General	16
5.2.2 Testing of materials	17
5.2.3 Shell test	17

5.2.4	Seat leaktightness test	17
5.2.5	Long-term behaviour test of the complete valve.....	17
5.2.6	Durability test.....	17
5.2.7	Operating torque test.....	17
5.2.8	Final test.....	17
6	Declaration of compliance.....	17
7	Designation	18
8	Marking and preparation for storage and transportation	18
8.1	Marking and documentation	18
8.2	Preparation for storage and transportation.....	19
Annex A (informative) Procurement information.....		20
Bibliography		21