

ISO 4437-4:2022-11 (E)

Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 4: Valves

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
3.1	General	2
3.2	Terms relating to design	3
4	Symbols and abbreviations	3
5	Material	3
5.1	Material for polyethylene parts	3
5.2	Material for non-polyethylene parts	4
5.2.1	General	4
5.2.2	Metal parts	4
5.2.3	Sealing materials	4
5.2.4	Greases and lubricants	4
5.2.5	Assembly	4
6	General characteristics	5
6.1	Appearance of the valve	5
6.2	Colour	5
6.3	Design	5
6.3.1	General	5
6.3.2	Valve body	5
6.3.3	Valve ends	5
6.3.4	Operating device	5
6.3.5	Seals	5
7	Geometrical characteristics	5
7.1	General	5
7.2	Measurement of dimensions	6
7.3	Dimensions of spigot ends for valves	6
7.4	Dimensions of valves with electrofusion sockets	6
7.5	Dimensions of the operating device	6
8	Mechanical characteristics of assembled valves	6
8.1	General	6
8.2	Requirements	6
8.2.1	General	6
8.2.2	Air flow rate	13
9	Physical characteristics	13
9.1	Conditioning	13
9.2	Requirements	14
10	Performance requirements	14

11	Technicalfile	14
12	Marking	15
12.1	General	15
12.2	Minimum required marking	15
12.3	Additional marking	16
13	Delivery conditions	16
	Annex A (normative) Determination of the leaktightness of seat(s) and packing	17
	Annex B (normative) Test method for leaktightness and ease of operation after tensile loading	19
	Bibliography	21