

# DIN EN 1555-4:2026-02 (E)

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

---

<b>Contents</b>		<b>Page</b>
European foreword .....		4
Introduction .....		5
1	Scope .....	6
2	Normative references .....	6
3	Terms and definitions .....	8
3.1	General .....	8
3.2	Terms relating to design .....	8
4	Symbols and abbreviations .....	9
5	Material .....	9
5.1	PE compound for valves .....	9
5.2	Material for non-polyethylene components .....	9
5.2.1	General .....	9
5.2.2	Metal parts .....	10
5.2.3	Sealing materials .....	10
5.2.4	Greases and lubricants .....	10
5.2.5	Assembly .....	10
6	General characteristics .....	10
6.1	Appearance of the valve .....	10
6.2	Colour .....	10
6.3	Design .....	10
6.3.1	General .....	10
6.3.2	Valve body .....	10
6.3.3	Valve ends .....	10
6.3.4	Operating device .....	11
6.3.5	Seals .....	11
7	Geometrical characteristics .....	11
7.1	General .....	11
7.2	Measurement of dimensions .....	11
7.3	Dimensions of spigot ends for valves .....	11
7.4	Dimensions of valves with electrofusion sockets .....	11
7.5	Dimensions of the operating device .....	11
8	Mechanical characteristics of assembled valves .....	11
8.1	General .....	11
8.2	Requirements .....	12
8.2.1	General .....	12
8.2.2	Air flow rate .....	18
9	Physical characteristics .....	19
9.1	Conditioning .....	19
9.2	Requirements .....	19
10	Performance requirements .....	19

11	Technical file .....	19
12	Marking .....	20
12.1	General .....	20
12.2	Minimum required marking .....	20
12.3	Additional marking .....	21
13	Delivery conditions .....	21
Annex A (normative) Determination of the leaktightness of seat(s) and packing .....		22
A.1	General .....	22
A.2	Test piece .....	22
A.3	Procedure .....	22
A.3.1	Conditioning .....	22
A.3.2	Internal leaktightness test (fully closed valve) .....	22
A.3.3	External leaktightness test (half open valve) .....	22
A.4	Test report .....	23
Annex B (normative) Test method for leaktightness and ease of operation after tensile loading .....		24
B.1	Apparatus .....	24
B.2	Test piece .....	24
B.3	Conditions .....	24
B.4	Procedure .....	24
B.5	Test report .....	25
Bibliography .....		26