

ISO 10497:2022-10 (E)

Testing of valves - Fire type-testing requirements

Contents

	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Test conditions	3
4.1 Direction and conditions for valves to be tested	3
4.2 Pressure relief provision	3
5 Fire test method	4
5.1 General warning	4
5.2 Principle	4
5.3 Apparatus	4
5.3.1 General	4
5.3.2 Specific apparatus	5
5.4 Test fluid	5
5.5 Test fuel	6
5.6 Procedure	6
6 Performance	11
6.1 General	11
6.2 Through-seat leakage during burn period	11
6.3 External leakage during burn and cool-down periods	11
6.4 Low-pressure test through-seat leakage after cool-down	11
6.5 Operability	12
6.6 External leakage following operational test	12
6.7 Test report	12
7 Qualification of other valves by representative size, pressure rating, design considerations and materials of construction	14
7.1 General	14
7.2 Design considerations	14
7.3 Materials of construction	15
7.4 Decisions by purchaser	16
7.5 Qualification of valves by nominal size and pressure rating	16
8 Special marking	17
Bibliography	18