

ISO 5175-1:2017-09 (E)

Gas welding equipment - Safety devices - Part 1: Devices incorporating a flame (flashback) arrestor

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Design and materials	4
4.1	Connection	4
4.2	Materials	4
5	Requirements	4
5.1	General	4
5.2	Gas tightness	5
5.3	Pressure resistance	6
5.4	Flame arrestor	6
5.5	Flame arrestor with non-return valve	6
5.6	Flame arrestor with temperature-sensitive cut-off valve	6
5.7	Flame arrestor with pressure-sensitive cut-off valve	6
5.8	Other multifunctional safety devices	6
6	Methods for type testing	6
6.1	General	6
6.2	Accuracy of pressure and flow measurements	7
6.3	Test gases	7
6.4	Gas tightness test	7
6.5	Pressure resistance test	7
6.6	Non-return valve test	7
6.7	Flame arrestor test	8
6.8	Temperature-sensitive cut-off valve test	9
6.9	Pressure-sensitive cut-off valve test	10
6.10	Internal leakage test for cut-off valves	10
7	Further tests	10
8	Manufacturer's instructions	10
9	Marking	11
Annex A (informative) Gas flow measurement		12
Annex B (informative) Third party testing information		14
Annex C (informative) Production tests		15