

DIN EN ISO 21904-1:2020-06 (E)

Health and safety in welding and allied processes - Equipment for capture and separation of welding fume - Part 1: General requirements (ISO 21904-1:2020)

Contents	Page
European foreword	3
Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC aimed to be covered	4
Foreword	5
Introduction	6
1 Scope	7
2 Normative references	7
3 Terms and definitions	8
4 Significant hazards	10
5 Requirements and verifications	10
5.1 General	10
5.2 Extraction devices	13
5.3 Ducting properties	18
5.4 Filters, related components and handling	19
6 Instructions for use	22
6.1 General	22
6.2 Extraction devices	23
6.2.1 Captor hoods and nozzles	23
6.2.2 On-torch extraction systems	23
7 Marking	24
7.1 General marking	24
7.2 Marking of separation efficiency	24
7.3 Marking of captor hoods and nozzles	24
7.4 Marking of on-torch extraction systems	25
Annex A (informative) Malfunctions and determination of minimum airflow	26
Annex B (normative) Label for welding fume separation equipment	27
Bibliography	28