

ISO/TS 16976-8:2013-06 (E)

Respiratory protective devices - Human factors - Part 8: Ergonomic factors

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Ergonomic factors	1
4.1	General	1
4.2	Integration of performance and ergonomic requirements	1
4.3	Factors to be considered in the determination of the best ergonomic solution	2
4.4	Factors to be considered in specifying requirements for the adjustability of RPD and its appropriate fixation to the body	4
4.5	Factors to be considered in specifying requirements to ensure that RPD does not irritate or cause discomfort	4
4.6	Factors to be considered in specifying requirements to take into account the anthropometric factors of RPD	4
4.7	Factors to be considered in specifying requirements to take into account the biomechanical factors of RPD	4
4.8	Factors to be considered in specifying requirements to take into account the thermal effects of RPD	6
4.9	Factors to be considered in specifying requirements to take into account the sensory effects of RPD	7
5	Verification procedure for compliance with ergonomic factors	7
5.1	General approach	7
5.2	Selecting an appropriate type of test	8
5.3	Assessment of the anthropometric factors of RPD and their impact on the wearer	9
5.4	Assessment of the biomechanical factors of RPD and their impact on the wearer	9
5.5	Assessment of the thermal effects of RPD and their impact on the wearer	10
5.6	Assessment of the sensory factors of RPD and their impact on the wearer	10
Annex A (informative)	Ergonomic assessment of RPD using panel of soft test subjects	13
Bibliography		16