

ISO 16890-1:2016-12 (E)

Air filters for general ventilation - Part 1: Technical specifications, requirements and classification system based upon particulate matter efficiency (ePM)

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Symbols and abbreviated terms	4
5	Technical specifications and requirements	5
5.1	General	5
5.2	Material	5
5.3	Nominal air flow rate	5
5.4	Resistance to air flow	5
5.5	Fractional efficiency curves (particle size efficiency spectrum)	5
5.6	Arrestance	5
6	Test methods and procedure	6
7	Classification system based on particulate matter efficiency (ePM)	6
7.1	Definition of a standardized particles size distribution of ambient air	6
7.2	Calculation of the particulate matter efficiencies (ePM)	9
7.3	Classification	9
8	Reporting	10
8.1	General	10
8.2	Interpretation of test reports	11
8.3	Summary	12
Annex A (informative) Shedding from filters		17
Annex B (informative) Examples		19
Annex C (informative) Estimation of downstream fine dust concentrations		23
Bibliography		26