

ORDER FORM

Measurement of filters, masks, media

Rev. 2



General information

Company			
Contact person		E-Mail address	
Order no.		Date	
Quotation no.		VAT no.	
Address			

Sample information

Number of samples		Project / Charge	
Type of samples	<input type="radio"/> Complete mask / filter cartridge <input type="radio"/> Filter media		

Measurements: Complete masks / filter cartridges

Please pay attention to the additional information regarding measurement parameters on the next page.

Sample	Permeability EN 143/149	Breathing resistance EN 143/149	Breathing resistance EN 14683	Loading-Test EN 143/149	Other (seen next page)
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Measurements: Filter media

Testing of filter media is not specified in EN143/149. Please note desired test parameters below.

Sample	Permeability	Breathing resistance	Loading-Test	Test area / cm ²	Flow rate / l/min.
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

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Additional information

If you require different measurement parameters or like to add further notes please enter them in the field below.

Hints

Unless otherwise specified we will carry out tests for complete masks with the standard parameters listed below.

Permeability – EN 143/149

The sample will be mounted in a proper holder and measured with the following parameters:

Volume flow: 95 l/min.

Measurement time: 210 s

Paraffin oil aerosol with 20 mg/m³

Breathing resistance – EN 143/149

Three different measurement will be performed in a filter holder (not on a Sheffield head!):

Volume flow: 30 l/min. (Inhalation), 95 l/min. (Inhalation), 160 l/min. (Exhalation)

Breathing resistance – EN 14683

The breathing resistance is determined at 5 homogeneously distributed sample positions, each one 4.9 cm² in size (D = 2.5 cm). The volume flow is set to 8 l/min. in exhalation direction.

Loading-Test – EN 143/149

The sample is continuously challenged at 95 l/min. until 120 mg of aerosol has been accumulated. Every minute the permeability and breathing resistance (for information only) is recorded.