

Technical Data Sheet

Description

Description	OptimAir gasfilter
Part Number	10049637 (pack of 10)
Marking according to EN	A2
Conditions of use	• Organic gases and vapours with boiling point > 65° C



Color Code

brown

Characteristics

Weight (g)	370
Diameter (mm)	107
Height incl. Thread (mm)	96,5
Connection	TabTec® filter technology (stackable filters)

Airflow

	with hood		with mask		with OptiTop	with OptiVizor
	Full	Demi	Advantage	3S		
EN 12941/12942 requirements of the PAPR	130 l/min	130 l/min	130 l/min	130 l/min	130 l/min	130 l/min
typical values	150-155 l/min	150-155 l/min	132-134 l/min	132-134 l/min	150-155 l/min	150-155 l/min
Exhalation resistance	48 Pa	70 Pa	225 Pa	390 Pa	12 Pa	50 Pa
total inward leakage	0,30%	0,50%	0,01%	0,01%	0,14%	0,40%

Concentration of Testing Gases

Class 1	500 ml/m ³ [0,05 Vol.-%]
Class 2	1000 ml/m ³ [0,1 Vol.-%]

Performances

Filter Type and class	Gases of reference	EN 12941/12942 requirements	typical values		
A2	Cyclohexane [C ₆ H ₁₂]	70 min.	95 min.		

Material


Housing	Polypropylene
Filtering material	impregnated charcoal

Details/Special Regulations

To be used only with OptimAir 3000 and OptimAir 3000 EX.

Technical Data Sheet

Description

Description	OptimAir gasfilter					
Part Number	10049635					
Marking according to EN	A1B1E1K1					
Conditions of use	<ul style="list-style-type: none"> Organic gases and vapours with boiling point > 65° C Anorganic gases and vapours (except carbon monoxide) Sulfur dioxide and other acidic gases and vapours Ammonia and organic Ammonia derivatives 					
Color Code	<table border="1"> <tr><td>brown</td></tr> <tr><td>grey</td></tr> <tr><td>yellow</td></tr> <tr><td>green</td></tr> </table>		brown	grey	yellow	green
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Performances

Filter Type and class	Gases of reference	EN 12941/12942 req.	typical values		
A1	Cyclohexane [C ₆ H ₁₂]	70 min.	95 min.		
B1	Chlorine [Cl ₂]	20 min.	90 min.		
	Hydrosulfide [H ₂ S]	40 min.	> 120 min.		
	Hydrogen cyanide [HCN]	25 min.	85 min.		
E1	Sulfur dioxide [SO ₂]	20 min.	75 min.		
K1	Ammonia [NH ₃]	50 min.	65 min.		

Material

Housing	Polypropylene
Filtering material	impregnated charcoal

Details/Special Regulations

To be used only with OptimAir 3000 and OptimAir 3000 EX.