

## Technical Data Sheet

### Description

Description	OptimAir gasfilter
Part Number	10049637 (pack of 10)
Marking according to EN	A2
Conditions of use	<ul style="list-style-type: none"> <li>Organic gases and vapours with boiling point &gt; 65° C</li> </ul>



### 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 <sup>3</sup> [0,05 Vol.-%]
Class 2	1000 ml/m <sup>3</sup> [0,1 Vol.-%]

### Performances

Filter Type and class	Gases of reference	EN 12941/12942 requirements	typical values		
A2	Cyclohexane [C <sub>6</sub> H <sub>12</sub> ]	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"> <li>Organic gases and vapours with boiling point &gt; 65° C</li> <li>Anorganic gases and vapours (except carbon monoxide)</li> <li>Sulfur dioxide and other acidic gases and vapours</li> <li>Ammonia and organic Ammonia derivatives</li> </ul>					
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 <sub>6</sub> H <sub>12</sub> ]	70 min.	95 min.		
B1	Chlorine [Cl <sub>2</sub> ]	20 min.	90 min.		
	Hydrosulfide [H <sub>2</sub> S]	40 min.	> 120 min.		
	Hydrogen cyanide [HCN]	25 min.	85 min.		
E1	Sulfur dioxide [SO <sub>2</sub> ]	20 min.	75 min.		
K1	Ammonia [NH <sub>3</sub> ]	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.