

# Technical Data Sheet

## Description

Description	93 ABEK 2 Hg / St
Part Number	10097232

Marking according to EN	A2, B2, E2, K2, Hg - P3
Conditions of use	<ul style="list-style-type: none"> <li>organic gases and vapors with a boiling point &gt; 65° C</li> <li>inorganic gases and vapors, e.g. chlorine, hydrogen sulfide, hydrogen cyanide</li> <li>sulfur dioxide, hydrogen chloride and other acid gases</li> <li>ammonia and organic ammonia derivatives</li> <li>mercury</li> <li>particles</li> </ul>



Colour code	<table border="1"> <tr><td>brown</td></tr> <tr><td>grey</td></tr> <tr><td>yellow</td></tr> <tr><td>green</td></tr> <tr><td>red</td></tr> <tr><td>white</td></tr> </table>	brown	grey	yellow	green	red	white
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Labels	
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**93 ABEK2Hg/St**  
**10097232**

4 0 2 7 9 2 1 7 5 2 2

EN 14387 A2 B2 E2 K2 Hg - P3 R D  
AS/NZS 1716:2000 A2, B2, E2, K2, Hg, P3

CE0121

## Characteristics

Weight [g]	350
Diameter [mm]	107
Height incl. thread [mm]	88
Connection	EN 148 - 1

## Breathing Resistance

	at	EN 14387 requirements	Typical values
	30 l / min	2,6 mbar	2,00 mbar
	95 l / min	9,8 mbar	8,00 mbar

## Concentration of Testing Gases

Class 1	1000 ppm [0,1 Vol.-%]
Class 2	5000 ppm [0,5 Vol.-%]
Hg	13 mg / m <sup>3</sup>

## Performances

Filter type and class	Gases of reference	EN 14387 requirements	Typical values
A2	cyclohexane [C <sub>6</sub> H <sub>12</sub> ]	35 min	60 min
B2	chlorine [Cl <sub>2</sub> ]	20 min	55 min
	hydrogen sulfide [H <sub>2</sub> S]	40 min	65 min
	hydrocyanic acid [HCN]	25 min	60 min
E2	sulfur dioxide [SO <sub>2</sub> ]	20 min	33 min
K2	ammonia [NH <sub>3</sub> ]	40 min	55 min
Hg	mercury [vapor]	100 h	> 100 h
Filter type and class	Particles of reference	EN 143 requirements	Typical values
P3	sodium chloride [NaCl]	0,05%	< 0,01%
	paraffin oil	0,05%	< 0,01%
R	Reusable according to EN 143:2000/A1:2006		
D	Dolomite clogging test & marking according to EN 143:2000/A1:2006 and EN 14387		

## Material

Housing	aluminium
Cover (particle filter)	polypropylene
Filtering material	filtering paper / impregnated activated carbon

## Details/Special Information

Storage conditions & time	- 5 °C to + 50°C, < 90 % r. h. 6,0 years
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The maximum service time of the special filter against mercury is 50 h. This applies if no other hazardous agents has penetrated the filter earlier. The filter must always be replaced in case of penetration by a hazardous agent.