






Technical Data Sheet

Description

Description	90 A		
Part Number	10115187		
Marking according to EN	A2		
Conditions of use	<ul style="list-style-type: none"> organic gases and vapors with a boiling point > 65° C 		
Colour code			
Labels			

Characteristics

Weight [g]	210		
Diameter [mm]	107		
Height incl. thread [mm]	70		
Connection	EN 148 - 1		

Breathing Resistance

	at	EN 14387 requirements	Typical values
	30 l / min	1,40 mbar	0,50 mbar
	95 l / min	5,60 mbar	2,10 mbar

Concentration of Testing Gases

Class 1	1000 ppm [0,1 Vol.-%]
Class 2	5000 ppm [0,5 Vol.-%]

Performances

Filter type and class	Gases of reference	EN 14387 requirements	Typical values
A2	cyclohexane [C ₆ H ₁₂]	35 min	70 min

Material





Housing	aluminium
Filtering material	unimpregnated activated carbon

Details/Special Information

Storage conditions & time	- 5 °C to + 50°C, < 90 % r. h. 6,0 years
---------------------------	--

Technical Data Sheet

Description

Description	90 AB		
Part Number	10098113		
Marking according to EN	A2, B2		
Conditions of use	<ul style="list-style-type: none"> organic gases and vapors with a boiling point > 65° C inorganic gases and vapors, e.g. chlorine, hydrogen sulfide, hydrogen cyanide 		
Colour code			
Labels			

Characteristics

Weight [g]	230		
Diameter [mm]	107		
Height incl. thread [mm]	70		
Connection	EN 148 - 1		

Breathing Resistance

	at	EN 14387 requirements	Typical values
	30 l / min	1,40 mbar	0,65 mbar
	95 l / min	5,60 mbar	2,95 mbar

Concentration of Testing Gases

Class 1	1000 ppm [0,1 Vol.-%]
Class 2	5000 ppm [0,5 Vol.-%]

Performances

Filter type and class	Gases of reference	EN 14387 requirements	Typical values
A2	cyclohexane [C ₆ H ₁₂]	35 min	65 min
B2	chlorine [Cl ₂]	20 min	45 min
	hydrogen sulfide [H ₂ S]	40 min	75 min
	hydrocyanic acid [HCN]	25 min	50 min

Material




Housing	aluminium
Filtering material	impregnated activated carbon

Details/Special Information

Storage conditions & time	- 5 °C to + 50°C, < 90 % r. h. 6,0 years
---------------------------	--

Technical Data Sheet

Description

Description	90 E		
Part Number	10115349		
Marking according to EN	E2		
Conditions of use	<ul style="list-style-type: none"> sulfur dioxide, hydrogen chloride and other acid gases 		
Colour code	<div style="border: 1px solid black; background-color: yellow; padding: 2px; display: inline-block;">yellow</div>		
labels			

Characteristics

Weight [g]	< 300 g		
Diameter [mm]	107		
Height incl. thread [mm]	70		
Connection	EN 148 - 1		

Breathing Resistance

	at	EN 14387 requirements	Typical values
	30 l / min	1,40 mbar	0,55 mbar
	95 l / min	5,60 mbar	2,50 mbar

Concentration of Testing Gases

Class 1	1000 ppm [0,1 Vol.-%]
Class 2	5000 ppm [0,5 Vol.-%]

Performances

Filter type and class	Gases of reference	EN 14387 requirements	Typical values
E2	sulfur dioxide [SO ₂]	20 min	30 min

Material

Housing	aluminium
Filtering material	impregnated activated carbon

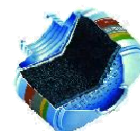
Details/Special Information

Storage conditions & time	- 5 °C to + 50°C, < 90 % r. h. 6,5 years
---------------------------	--

Technical Data Sheet

Description

Description	90 K
Part Number	10115320
Marking according to EN	K2
Conditions of use	• ammonia and organic ammonia derivatives



Colour code

green

labels



Characteristics

Weight [g]	< 300 g
Diameter [mm]	107
Height incl. thread [mm]	70
Connection	EN 148 - 1

Breathing Resistance

	at	EN 14387 requirements	Typical values
	30 l / min	1,40 mbar	0,45 mbar
	95 l / min	5,60 mbar	2,05 mbar

Concentration of Testing Gases

Class 1	1000 ppm [0,1 Vol.-%]
Class 2	5000 ppm [0,5 Vol.-%]

Performances

Filter type and class	Gases of reference	EN 14387 requirements	Typical values
K2	ammonia [NH ₃]	40 min	75 min

Material


Housing	aluminium
Filtering material	impregnated activated carbon




Details/Special Information

Storage conditions & time	- 5 °C to + 50°C, < 90 % r. h. 6,5 years
---------------------------	--

Technical Data Sheet

Description

Description	90 ABEK	
Part Number	10098114	
Marking according to EN	A2, B2, E2, K1	
Conditions of use	<ul style="list-style-type: none"> organic gases and vapors with a boiling point > 65° C inorganic gases and vapors, e.g. chlorine, hydrogen sulfide, hydrogen cyanide sulfur dioxide, hydrogen chloride and other acid gases ammonia and organic ammonia derivatives 	

Colour code		
label		

Characteristics

Weight [g]	255
Diameter [mm]	107
Height incl. thread [mm]	70
Connection	EN 148 - 1

Breathing Resistance

	at	EN 14387 requirements	Typical values
	30 l / min	1,40 mbar	1,0 mbar
	95 l / min	5,60 mbar	4,20 mbar

Concentration of Testing Gases

Class 1	1000 ppm [0,1 Vol.-%]
Class 2	5000 ppm [0,5 Vol.-%]

Performances

Filter type and class	Gases of reference	EN 14387 requirements	Typical values
A2	cyclohexane [C ₆ H ₁₂]	35 min	55 min
B2	chlorine [Cl ₂]	20 min	45 min
	hydrogen sulfide [H ₂ S]	40 min	70 min
	hydrocyanic acid [HCN]	25 min	45 min
E2	sulfur dioxide [SO ₂]	20 min	25 min
K1	ammonia [NH ₃]	50 min	90 min

Material

Housing	aluminium
Filtering material	impregnated activated carbon

Details/Special Information

Storage conditions & time	- 5 °C to + 50°C, < 90 % r. h. 6,0 years
---------------------------	--

Technical Data Sheet

Description

Description	90 ABEK 2
Part Number	10098112
Marking according to EN	A2, B2, E2, K2
Conditions of use	<ul style="list-style-type: none"> organic gases and vapors with a boiling point > 65° C inorganic gases and vapors, e.g. chlorine, hydrogen sulfide, hydrogen cyanide sulfur dioxide, hydrogen chloride and other acid gases ammonia and organic ammonia derivatives



Colour code



Labels



Characteristics

Weight [g]	290
Diameter [mm]	107
Height incl. thread [mm]	75
Connection	EN 148 - 1

Breathing Resistance

at	EN 14387 requirements	Typical values
30 l / min	1,40 mbar	1,20 mbar
95 l / min	5,60 mbar	4,80 mbar

Concentration of Testing Gases

Class 1	1000 ppm [0,1 Vol.-%]
Class 2	5000 ppm [0,5 Vol.-%]

Performances

Filter type and class	Gases of reference	EN 14387 requirements	Typical values
A2	cyclohexane [C ₆ H ₁₂]	35 min	60 min
B2	chlorine [Cl ₂]	20 min	60 min
	hydrogen sulfide [H ₂ S]	40 min	100 min
	hydrocyanic acid [HCN]	25 min	65 min
E2	sulfur dioxide [SO ₂]	20 min	35 min
K2	ammonia [NH ₃]	40 min	50 min

Material

Housing	aluminium
Filtering material	impregnated activated carbon

Details/Special Information

Storage conditions & time	- 5 °C to + 50°C, < 90 % r. h. 6,0 years
---------------------------	--

