Filter Advantage 201 A



Description			
Name	Advantage 201 A		
Part Number	430371		
Marking according to EN	A2		
Conditions of use	 organic gases and vapors with a 	boiling point > 65° C	
Colour code	brown		
Characteristics			
Weight (g)	85 - 90		
Diameter (mm)	103 x 78		
Height incl. thread (mm)	39		
Connection	gas filter with bayonet for paired us	se	
Breathing Resistance			
		EN 14387 requirements	Typical values
	at 15 l/min *	max. 140 Pa	40 - 50 Pa
	at 47,5 l/min *	max. 560 Pa	170 - 195 Pa
Concentration of Testing Gases			
Concentration of Testing Gases			
Class 2	5000 ppm (0,5 Vol%)		
01855 2	5000 ppm (0,5 v0i78)		
Performances			
Filter type and class	Gases of reference	EN 14387 requirements	Typical values
A2	Cyclohexane (C6H12)	35 min	50 min
Material	1	1	
Housing	plastics		
Cover (particle filter)	plastics		
Filtering material	unimpregnated activated carbon		
Details/Special Information			
Storage conditions & time	Factory sealed	- 5 °C to + 50°C, < 90 % r. h.	5,0 years
	· · · · ·	1	
* Note: Test flow condition of EN 14387	divided by the number of filters thro 30 l/min : 2 filters = 15 l/min per filt 95 l/min : 2 filters = 47,5 l/min per fi		ned.

Filter Advantage 202 A-P3



Description			
Name	Advantage 202 A-P3		
Part Number	430372		
Marking according to EN	A2 P3 R		
Conditions of use	 organic gases and vapors with a against non-volatile liquid and so 		
Colour code	brown		-
Colour code	white		-
	Willo		-
Characteristics			
Weight (g)	102		
Diameter (mm)	103 x 78		
Height incl. thread (mm)	54		
Connection	combination filter with bayonet for	paired use	
		·	
Breathing Resistance			
		EN 14387 requirements	Typical values
	at 15 l/min *	max. 260 Pa	140 Pa
	at 47,5 l/min *	max. 980 Pa	450 Pa
Concentration of Testing Gases		·	
Class 2	5000 ppm (0,5 Vol%)		
Performances			
Filter type and class	Gases of reference	EN 14387 requirements	Typical values
A2	Cyclohexane (C6H12)	35 min	50 min
Filter type and class	Particles of reference	EN 143 requirements	Typical values
P3	Sodium chloride (NaCl)	max. 0,05%	< 0,009 %
	Paraffin oil	max. 0,05%	< 0,004 %
R D	Reusable according EN 143:2000		
D	Dolomite clogging test & marking a	according to EN 143:2000/A1:2006	and EN 14387
Material			
Housing	plastics		
Cover (particle filter)	plastics		
Filtering material	fibre glass paper / unimpregnated	activated carbon	
	nore glass paper / unimpregnated		
Details/Special Information			
Storage conditions & time	Factory sealed	- 5 °C to + 50°C, < 90 % r. h.	5,0 years
			-,- , - , - , - , - , - , - , - , - , -
* Note: Test flow condition of EN 14387	divided by the number of filters thr 30 l/min : 2 filters = 15 l/min per filt 95 l/min : 2 filters = 47,5 l/min per		ned.

Filter Advantage 201 ABEK



Description			
Name	Advantage 201 ABEK		
Part Number	430373		
Marking according to EN	A2 B2 E1 K1		
Conditions of use	organic gases and vapors w	e.g. chlorine, hydrogen sulfide, ride and other acid gases	Discourse
Colour code	brown grey yellow green		
Characteristics			
Weight (g)	130-140		
Diameter (mm)	103 x 78		
· · · ·	45		
Height incl. thread (mm) Connection			
Connection	gas filter with bayonet for pair	ed use	
Breathing Resistance			
		EN 14387 requirements	Typical values
	at 15 l/min *	max. 140 Pa	85 Pa
	at 47,5 l/min *	max. 560 Pa	300 Pa
Concentration of Testing Gases			
Class 1	1000 ppm (0,1 Vol%)		
Class 2	5000 ppm (0,5 Vol%)		
Performances	Cases of reference		Turrisel unluse
Filter type and class	Gases of reference	EN 14387 requirements	Typical values
A2	Cyclohexane (C6H12)	35 min	40-50 min
B2	Chlorine (Cl2)	20 min	30-40 min
	Hydrogen sulfide (H2S)	40 min	> 80 min
	Hydrocyanic acid (HCN)	25 min	40-70 min
E1	Sulfur dioxide (SO2)	20 min	>70 min
K1	Ammonia (NH3)	50 min	>100 min
Material			
Housing	plastics		
Cover (particle filter)	plastics		
Filtering material	impregnated activated carbon		
	Impregnated activated carbon		
Details/Special Information			
Storage conditions & time	Factory sealed	- 5 °C to + 50°C, < 90 % r. h.	5,0 years
* Note: Test flow condition of EN 14387	divided by the number of filter 30 l/min : 2 filters = 15 l/min pe 95 l/min : 2 filters = 47,5 l/min		tioned.

Filter Advantage 202 ABEK - P3



Description				
Name	Advantage 202 ABEK - P3			
Part Number	430374			
Marking according to EN	A2 B2 E1 K1 P3 R			
Conditions of use	organic gases and vapors w	ith a boiling point > 65° C		
		, e.g. chlorine, hydrogen sulfide,		
	hydrogen cyanide			
	 sulfur dioxide, hydrogen chlo 	pride and other acid gases		
	ammonia and organic ammo	0		
	 against non-volatile liquid an 			
			Contraction Contraction	
Colour code	brown			
	grey			
	yellow			
	green			
	white			
Characteristics	150			
Weight (g)	150			
Diameter (mm)	103 x 78			
Height incl. thread (mm)	60	(for each of the second		
Connection	combination filter with bayone	et tor paired use		
Breathing Resistance				
		EN 14387 requirements	Typical values	
	at 15 l/min *	max. 260 Pa	150 Pa	
	at 47,5 l/min *	max. 980 Pa	530 Pa	
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 (C6H12)	35 min	40-50 min	
		20 min	30-40 min	
B2	Chlorine (Cl2)			
B2	Chlorine (Cl2) Hydrogen sulfide (H2S)	40 min	>80 min	
B2				
	Hydrogen sulfide (H2S)	40 min	>80 min	
E1	Hydrogen sulfide (H2S) Hydrocyanic acid (HCN)	40 min 25 min	>80 min 40-70 min	
E1	Hydrogen sulfide (H2S) Hydrocyanic acid (HCN) Sulfur dioxide (SO2)	40 min 25 min 20 min	>80 min 40-70 min >70 min	
E1 K1	Hydrogen sulfide (H2S) Hydrocyanic acid (HCN) Sulfur dioxide (SO2)	40 min 25 min 20 min	>80 min 40-70 min >70 min	
E1 K1 Filter type and class	Hydrogen sulfide (H2S) Hydrocyanic acid (HCN) Sulfur dioxide (SO2) Ammonia (NH3)	40 min 25 min 20 min 50 min	>80 min 40-70 min >70 min >100 min	
E1 K1 Filter type and class	Hydrogen sulfide (H2S) Hydrocyanic acid (HCN) Sulfur dioxide (SO2) Ammonia (NH3) Particles of reference	40 min 25 min 20 min 50 min EN 143 requirements	>80 min 40-70 min >70 min >100 min Typical values	
E1 K1 Filter type and class P3	Hydrogen sulfide (H2S) Hydrocyanic acid (HCN) Sulfur dioxide (SO2) Ammonia (NH3) Particles of reference Sodium chloride (NaCl)	40 min 25 min 20 min 50 min EN 143 requirements max. 0,05% max. 0,05%	>80 min 40-70 min >70 min >100 min Typical values < 0,009%	
E1 K1 Filter type and class P3 R	Hydrogen sulfide (H2S) Hydrocyanic acid (HCN) Sulfur dioxide (SO2) Ammonia (NH3) Particles of reference Sodium chloride (NaCl) Paraffin oil Reusable according EN 143:2	40 min 25 min 20 min 50 min EN 143 requirements max. 0,05% max. 0,05%	>80 min 40-70 min >70 min >100 min Typical values < 0,009% < 0,004%	
E1 K1 Filter type and class P3 R D	Hydrogen sulfide (H2S) Hydrocyanic acid (HCN) Sulfur dioxide (SO2) Ammonia (NH3) Particles of reference Sodium chloride (NaCl) Paraffin oil Reusable according EN 143:2	40 min 25 min 20 min 50 min EN 143 requirements max. 0,05% max. 0,05% 2000/A1:2006	>80 min 40-70 min >70 min >100 min Typical values < 0,009% < 0,004%	
E1 K1 Filter type and class P3 R D Material	Hydrogen sulfide (H2S) Hydrocyanic acid (HCN) Sulfur dioxide (SO2) Ammonia (NH3) Particles of reference Sodium chloride (NaCl) Paraffin oil Reusable according EN 143:2 Dolomite clogging test & mark	40 min 25 min 20 min 50 min EN 143 requirements max. 0,05% max. 0,05% 2000/A1:2006	>80 min 40-70 min >70 min >100 min Typical values < 0,009% < 0,004%	
E1 K1 Filter type and class P3 R D Material Housing	Hydrogen sulfide (H2S) Hydrocyanic acid (HCN) Sulfur dioxide (SO2) Ammonia (NH3) Particles of reference Sodium chloride (NaCl) Paraffin oil Reusable according EN 143:2 Dolomite clogging test & mark	40 min 25 min 20 min 50 min EN 143 requirements max. 0,05% max. 0,05% 2000/A1:2006	>80 min 40-70 min >70 min >100 min Typical values < 0,009% < 0,004%	
E1 K1 Filter type and class P3 R D Material Housing Cover (particle filter)	Hydrogen sulfide (H2S) Hydrocyanic acid (HCN) Sulfur dioxide (SO2) Ammonia (NH3) Particles of reference Sodium chloride (NaCl) Paraffin oil Reusable according EN 143:2 Dolomite clogging test & mark	40 min 25 min 20 min 50 min EN 143 requirements max. 0,05% 2000/A1:2006 king according to EN 143:2000/A1:20	>80 min 40-70 min >70 min >100 min Typical values < 0,009% < 0,004%	
E1 K1 Filter type and class P3 R D Material Housing Cover (particle filter)	Hydrogen sulfide (H2S) Hydrocyanic acid (HCN) Sulfur dioxide (SO2) Ammonia (NH3) Particles of reference Sodium chloride (NaCl) Paraffin oil Reusable according EN 143:2 Dolomite clogging test & mark	40 min 25 min 20 min 50 min EN 143 requirements max. 0,05% 2000/A1:2006 king according to EN 143:2000/A1:20	>80 min 40-70 min >70 min >100 min Typical values < 0,009% < 0,004%	
E1 K1 Filter type and class P3 R D Material Housing Cover (particle filter) Filtering material	Hydrogen sulfide (H2S) Hydrocyanic acid (HCN) Sulfur dioxide (SO2) Ammonia (NH3) Particles of reference Sodium chloride (NaCl) Paraffin oil Reusable according EN 143:2 Dolomite clogging test & mark	40 min 25 min 20 min 50 min EN 143 requirements max. 0,05% 2000/A1:2006 king according to EN 143:2000/A1:20	>80 min 40-70 min >70 min >100 min Typical values < 0,009% < 0,004%	
E1 K1 Filter type and class P3 R D Material Housing Cover (particle filter) Filtering material Details/Special Information	Hydrogen sulfide (H2S) Hydrocyanic acid (HCN) Sulfur dioxide (SO2) Armonia (NH3) Particles of reference Sodium chloride (NaCl) Paraffin oil Reusable according EN 143:2 Dolomite clogging test & mark plastics plastics fiber glass paper / impregnate	40 min 25 min 20 min 50 min EN 143 requirements max. 0,05% max. 0,05% 2000/A1:2006 king according to EN 143:2000/A1:20 ed activated carbon	>80 min 40-70 min >70 min >100 min Typical values < 0,009%	
E1 K1 Filter type and class P3 R D Material Housing Cover (particle filter) Filtering material Details/Special Information	Hydrogen sulfide (H2S) Hydrocyanic acid (HCN) Sulfur dioxide (SO2) Ammonia (NH3) Particles of reference Sodium chloride (NaCl) Paraffin oil Reusable according EN 143:2 Dolomite clogging test & mark	40 min 25 min 20 min 50 min EN 143 requirements max. 0,05% 2000/A1:2006 king according to EN 143:2000/A1:20	>80 min 40-70 min >70 min >100 min Typical values < 0,009% < 0,004%	
E1 K1 Filter type and class P3 R D Material Housing	Hydrogen sulfide (H2S) Hydrocyanic acid (HCN) Sulfur dioxide (SO2) Ammonia (NH3) Particles of reference Sodium chloride (NaCl) Paraffin oil Reusable according EN 143:2 Dolomite clogging test & mark plastics plastics fiber glass paper / impregnate	40 min 25 min 20 min 50 min EN 143 requirements max. 0,05% max. 0,05% 2000/A1:2006 king according to EN 143:2000/A1:20 ed activated carbon	>80 min 40-70 min >70 min >100 min Typical values < 0,009%	
E1 K1 Filter type and class P3 R D Material Housing Cover (particle filter) Filtering material Details/Special Information Storage conditions & time	Hydrogen sulfide (H2S) Hydrocyanic acid (HCN) Sulfur dioxide (SO2) Ammonia (NH3) Particles of reference Sodium chloride (NaCl) Paraffin oil Reusable according EN 143:2 Dolomite clogging test & mark plastics plastics fiber glass paper / impregnate Factory sealed When one filter of a multiple fi	40 min 25 min 20 min 50 min EN 143 requirements max. 0,05% max. 0,05% 2000/A1:2006 king according to EN 143:2000/A1:20 ed activated carbon - 5 °C to + 50°C, < 90 % r. h.	>80 min 40-70 min >70 min >100 min Typical values < 0,009%	
E1 K1 Filter type and class P3 R D Material Housing Cover (particle filter) Filtering material Details/Special Information Storage conditions & time * Note:	Hydrogen sulfide (H2S) Hydrocyanic acid (HCN) Sulfur dioxide (SO2) Ammonia (NH3) Particles of reference Sodium chloride (NaCl) Paraffin oil Reusable according EN 143:2 Dolomite clogging test & mark plastics plastics fiber glass paper / impregnate Factory sealed When one filter of a multiple fi	40 min 25 min 20 min 50 min EN 143 requirements max. 0,05% max. 0,05% 2000/A1:2006 king according to EN 143:2000/A1:200 ed activated carbon - 5 °C to + 50°C, < 90 % r. h.	>80 min 40-70 min >70 min >100 min Typical values < 0,009%	
E1 K1 Filter type and class P3 R D Material Housing Cover (particle filter) Filtering material Details/Special Information Storage conditions & time * Note:	Hydrogen sulfide (H2S) Hydrocyanic acid (HCN) Sulfur dioxide (SO2) Ammonia (NH3) Particles of reference Sodium chloride (NaCl) Paraffin oil Reusable according EN 143:2 Dolomite clogging test & mark plastics fiber glass paper / impregnate Factory sealed When one filter of a multiple fi divided by the number of filter	40 min 25 min 20 min 50 min EN 143 requirements max. 0,05% 2000/A1:2006 xing according to EN 143:2000/A1:20 ad activated carbon - 5 °C to + 50°C, < 90 % r. h. ilter device is tested separately, the a s through which the air flow is propore er filter	>80 min 40-70 min >70 min >100 min Typical values < 0,009%	
E1 K1 Filter type and class P3 R D Material Housing Cover (particle filter) Filtering material Details/Special Information Storage conditions & time * Note:	Hydrogen sulfide (H2S) Hydrocyanic acid (HCN) Sulfur dioxide (SO2) Ammonia (NH3) Particles of reference Sodium chloride (NaCl) Paraffin oil Reusable according EN 143:2 Dolomite clogging test & mark plastics plastics fiber glass paper / impregnate Factory sealed When one filter of a multiple fi divided by the number of filter 30 l/min : 2 filters = 15 l/min p 95 l/min : 2 filters = 47,5 l/min	40 min 25 min 20 min 50 min EN 143 requirements max. 0,05% 2000/A1:2006 xing according to EN 143:2000/A1:20 ad activated carbon - 5 °C to + 50°C, < 90 % r. h. ilter device is tested separately, the a s through which the air flow is propore er filter	>80 min 40-70 min >70 min >100 min Typical values < 0,009%	

Filter Advantage 200 P3



Description			
Name	Advantage 200 P3		
Part Number	430375		
Marking according to EN	P3 R		
Conditions of use	against non-volatile liquid and so	lid particles	200 P3
Colour code	white		-
Characteristics			
Weight (g)	23		
Diameter (mm)	69		
Height incl. thread (mm)	27		
Connection	particle filter with bayonet for paire	ed use	
	a substantial substantial parte		
Breathing Resistance			
		EN 14387 requirements	Typical values
	at 15 l/min *	max.120 Pa	60 - 70 Pa
	at 47,5 l/min *	max.420 Pa	190 - 220 Pa
	at +7,5 //min	111ax.+201 a	130 - 220 T a
Concentration of Testing Gases			
concentration of resting cases			
Performances			
Filter type and class	Gases of reference	EN 14387 requirements	Typical values
P3	Sodium chloride (NaCl)	max. 0,05%	< 0,009 %
F3	Paraffin oil	max. 0,05%	< 0,009 %
R	Reusable according EN 143:2000		< 0,004 /8
D		according to EN 143:2000/A1:2006	and EN 14387
D	Dolonnie clogging test & marking a	according to EN 143.2000/A1.2000	
Clogging	At a concentration of 400+100 mg and duration is 263 mg x h / m2. (I	/ m2 dolomite dust is loaded until thoading value)	ne product of dust concentration
Requirements:	The particle filter is not allowed to rate 47,5 l/min)	exceed the pressure difference of 7	700 Pa after the loading. (test flow
Filter typical values:	< 300 Pa		
Material			
Housing	plastics		
Cover (particle filter)	plastics		
Filtering material	fiber glass paper		
Details/Special Information			
Storage conditions & time	Factory sealed	- 5 °C to + 50°C, < 90 % r. h.	10 years
		· · · · · · · · · · · · · · · · · · ·	
* Note: Test flow condition of EN 14387	divided by the number of filters thr 30 l/min : 2 filters = 15 l/min per filt 95 l/min : 2 filters = 47,5 l/min per		ned.

Filter Advantage 201 K



Description			
Name	Advantage 201 K		
Part Number	10107163		
Marking according to EN	K2		
Conditions of use	ammonia and organic ammonia	derivatives	
Colour code	green		
			-
Characteristics			
Weight (g)	110		
Diameter (mm)	103 x 78		
Height incl. thread (mm)	38		
Connection	gas filter with bayonet for paired u	199	
Connection	gas litter with bayonet for pared t	126	
Breathing Resistance			
Breathing Resistance		EN 14387 requirements	Typical values
	at 15 l/min *	max. 140 Pa	40 Pa
	at 47,5 l/min *	max. 560 Pa	180 Pa
	at 47,51/11111	max. 560 Pa	160 Pa
Concentration of Testing Gases			
Concentration of Testing Gases			
Class 2	5000 ppm (0,5 Vol%)		
Class z	5000 ppm (0,5 vol%)		
Derformences			
Performances	0		The last sectors
Filter type and class	Gases of reference	EN 14387 requirements	Typical values
К2	Ammonia (NH3)	40 min	50 min
Material			
Housing	plastics		
Cover (particle filter)	plastics		
Filtering material	impregnated activated carbon		
Details/Special Information	-		
Storage conditions & time	Factory sealed	- 5 °C to + 50°C, < 90 % r. h.	5,0 years
* Note: Test flow condition of EN 14387	divided by the number of filters th 30 l/min : 2 filters = 15 l/min per fil 95 l/min : 2 filters = 47,5 l/min per		ned.

Filter Advantage 201 K - P3



Description			
Name	Advantage 202 K - P3		
Part Number	10107165		
Marking according to EN	K2 P3 R		
Conditions of use	ammonia and organic ammonia against non-volatile liquid and sc		
Colour code	green		_
	white		-
Characteristics			
Weight (g)	125		
Diameter (mm)	103 x 78		
Height incl. thread (mm)	54		
Connection	combination filter with bayonet for	paired use	
Breathing Resistance			
		EN 14387 requirements	Typical values
	at 15 l/min *	max. 260 Pa	115 Pa
	at 47,5 l/min *	max. 980 Pa	440 Pa
Concentration of Testing Gases			
01	5000 mmm (0.5.)(al. 9())		
Class 2	5000 ppm (0,5 Vol%)		
Performances			
Filter type and class	Gases of reference	EN 14387 requirements	Typical values
K2	Ammonia (NH3)	40 min	50 min
		40 11111	30 11111
Filter type and class	Particles of reference	EN 143 requirements	Typical values
P3	Sodium chloride (NaCl)	max. 0.05%	< 0,009%
	Paraffin oil	max. 0,05%	< 0,003 %
R	Reusable according EN 143:2000	· · · · ·	
D		according to EN 143:2000/A1:2006	and EN 14387
Material			
Housing	plastics		
Cover (particle filter)	plastics		
Filtering material	fibre glass paper / impregnated ac	tivated carbon	
Details/Special Information			
Storage conditions & time	Factory sealed	-5 °C to + 50°C, < 90 % r. h.	5,0 years
* Note: Test flow condition of EN 14387	divided by the number of filters thr 30 l/min : 2 filters = 15 l/min per filt 95 l/min : 2 filters = 47,5 l/min per		ned.

Filter Advantage 201 ABE



Description			
Name	Advantage 201 ABE		
Part Number	10144827		
Marking according to EN	A1B1E1		
Conditions of use	• organic gases and vapors w	e.g. chlorine, hydrogen sulfide,	
Colour code	brown		
	grey		
	yellow		
Characteristics	02		
Weight (g)	92		
Diameter (mm)	103 x 78		
Height incl. thread (mm)	38		
Connection	gas filter with bayonet for paire	ed use	
Breathing Resistance	_		
		EN 14387 requirements	Typical values
	at 15 l/min *	max. 100 Pa	40 Pa
	at 47,5 l/min *	max. 400 Pa	170 Pa
Concentration of Testing Gases	1000 ppm (0,1 Vol%)		
Performances			
Filter type and class	Gases of reference	EN 14387 requirements	Typical values
A1	Cyclohexane (C6H12)	70 min	> 150 min
B1	Chlorine (Cl2)	20 min	> 50 min
	Hydrogen sulfide (H2S)	40 min	> 150 min
	Hydrocyanic acid (HCN)	25 min	> 70 min
E1	Sulfur dioxide (SO2)	20 min	> 50 min
Material			
Housing	plastics		
Cover (particle filter)	plastics		
Filtering material	impregnated activated carbon		
Details/Special Information			5.0
Storage conditions & time	Factory sealed	- 5 °C to + 50°C, < 90 % r. h.	5,0 years
* Note: Test flow condition of EN 14387	divided by the number of filter 30 l/min : 2 filters = 15 l/min pe 95 l/min : 2 filters = 47,5 l/min		tioned.

Filter Advantage 201 ABE - P3



Description			
Name	Advantage 202 ABE-P3		
Part Number	10144828		
Marking according to EN	A1B1E1 P3 R		
Conditions of use	organic gases and vapors w	ith a boiling point > 65° C	
		e.g. chlorine, hydrogen sulfide,	and the second s
	hydrogen cyanide		
	sulfur dioxide, hydrogen chloride and other acid gases		
	 against non-volatile liquid ar 		
			Jan contract
Colour code	brown		
	grey		
	yellow		
	white		
Characteristics	400		
Weight (g)	108		
Diameter (mm)	103 x 78		
Height incl. thread (mm)	54		
Connection	combination filter with bayone	t for paired use	
Desething Desistant			
Breathing Resistance		EN 44297 requirements	Tursiael velues
		EN 14387 requirements	Typical values
	at 15 l/min *	max. 220 Pa max. 820 Pa	108 Pa
	at 47,5 l/min *	max. 620 Pa	400 Pa
Concentration of Testing Gases			
Class 1	1000 ppm (0,1 Vol%)		
Performances			
Performances Filter type and class	Gases of reference	EN 14387 requirements	Typical values
	Gases of reference Cyclohexane (C6H12)	EN 14387 requirements 70 min	Typical values > 150 min
Filter type and class			
Filter type and class A1	Cyclohexane (C6H12)	70 min	> 150 min
Filter type and class A1	Cyclohexane (C6H12) Chlorine (Cl2)	70 min 20 min	> 150 min > 50 min
Filter type and class A1	Cyclohexane (C6H12) Chlorine (Cl2) Hydrogen sulfide (H2S)	70 min 20 min 40 min	> 150 min > 50 min > 150 min
Filter type and class A1 B1	Cyclohexane (C6H12) Chlorine (Cl2) Hydrogen sulfide (H2S) Hydrocyanic acid (HCN) Sulfur dioxide (SO2)	70 min 20 min 40 min 25 min	> 150 min > 50 min > 150 min > 70 min
Filter type and class A1 B1 E1 Filter type and class	Cyclohexane (C6H12) Chlorine (Cl2) Hydrogen sulfide (H2S) Hydrocyanic acid (HCN) Sulfur dioxide (SO2) Particles of reference	70 min 20 min 40 min 25 min 20 min	> 150 min > 50 min > 150 min > 70 min > 50 min Typical values
Filter type and class A1 B1 E1	Cyclohexane (C6H12) Chlorine (Cl2) Hydrogen sulfide (H2S) Hydrocyanic acid (HCN) Sulfur dioxide (SO2) Particles of reference Sodium chloride (NaCl)	70 min 20 min 40 min 25 min 20 min EN 143 requirements max. 0,05%	> 150 min > 50 min > 150 min > 70 min > 50 min Typical values < 0,009%
Filter type and class A1 B1 E1 Filter type and class P3	Cyclohexane (C6H12) Chlorine (Cl2) Hydrogen sulfide (H2S) Hydrocyanic acid (HCN) Sulfur dioxide (SO2) Particles of reference Sodium chloride (NaCl) Paraffin oil	70 min 20 min 40 min 25 min 20 min 20 min EN 143 requirements max. 0,05% max. 0,05%	> 150 min > 50 min > 150 min > 70 min > 50 min Typical values
Filter type and class A1 B1 E1 Filter type and class P3 R	Cyclohexane (C6H12) Chlorine (Cl2) Hydrogen sulfide (H2S) Hydrocyanic acid (HCN) Sulfur dioxide (SO2) Particles of reference Sodium chloride (NaCl) Paraffin oil Reusable according EN 143:2	70 min 20 min 40 min 25 min 20 min EN 143 requirements max. 0,05% max. 0,05% 2000/A1:2006	> 150 min > 50 min > 150 min > 70 min > 50 min Typical values < 0,009% < 0,004%
Filter type and class A1 B1 E1 Filter type and class P3	Cyclohexane (C6H12) Chlorine (Cl2) Hydrogen sulfide (H2S) Hydrocyanic acid (HCN) Sulfur dioxide (SO2) Particles of reference Sodium chloride (NaCl) Paraffin oil Reusable according EN 143:2	70 min 20 min 40 min 25 min 20 min 20 min EN 143 requirements max. 0,05% max. 0,05%	> 150 min > 50 min > 150 min > 70 min > 50 min Typical values < 0,009% < 0,004%
Filter type and class A1 B1 E1 Filter type and class P3 R D	Cyclohexane (C6H12) Chlorine (Cl2) Hydrogen sulfide (H2S) Hydrocyanic acid (HCN) Sulfur dioxide (SO2) Particles of reference Sodium chloride (NaCl) Paraffin oil Reusable according EN 143:2	70 min 20 min 40 min 25 min 20 min EN 143 requirements max. 0,05% max. 0,05% 2000/A1:2006	> 150 min > 50 min > 150 min > 70 min > 50 min Typical values < 0,009% < 0,004%
Filter type and class A1 B1 E1 Filter type and class P3 R D Material	Cyclohexane (C6H12) Chlorine (Cl2) Hydrogen sulfide (H2S) Hydrocyanic acid (HCN) Sulfur dioxide (SO2) Particles of reference Sodium chloride (NaCl) Paraffin oil Reusable according EN 143:2 Dolomite clogging test & mark	70 min 20 min 40 min 25 min 20 min EN 143 requirements max. 0,05% max. 0,05% 2000/A1:2006	> 150 min > 50 min > 150 min > 70 min > 50 min Typical values < 0,009% < 0,004%
Filter type and class A1 B1 E1 Filter type and class P3 R D Material Housing	Cyclohexane (C6H12) Chlorine (Cl2) Hydrogen sulfide (H2S) Hydrocyanic acid (HCN) Sulfur dioxide (SO2) Particles of reference Sodium chloride (NaCl) Paraffin oil Reusable according EN 143:2 Dolomite clogging test & mark	70 min 20 min 40 min 25 min 20 min EN 143 requirements max. 0,05% max. 0,05% 2000/A1:2006	> 150 min > 50 min > 150 min > 70 min > 50 min Typical values < 0,009% < 0,004%
Filter type and class A1 B1 E1 Filter type and class P3 R D Material Housing Cover (particle filter)	Cyclohexane (C6H12) Chlorine (Cl2) Hydrogen sulfide (H2S) Hydrocyanic acid (HCN) Sulfur dioxide (SO2) Particles of reference Sodium chloride (NaCl) Paraffin oil Reusable according EN 143:2 Dolomite clogging test & mark	70 min 20 min 40 min 25 min 20 min EN 143 requirements max. 0,05% max. 0,05% 2000/A1:2006 ing according to EN 143:2000/A1:20	> 150 min > 50 min > 150 min > 70 min > 50 min Typical values < 0,009% < 0,004%
Filter type and class A1 B1 E1 Filter type and class P3 R D Material Housing	Cyclohexane (C6H12) Chlorine (Cl2) Hydrogen sulfide (H2S) Hydrocyanic acid (HCN) Sulfur dioxide (SO2) Particles of reference Sodium chloride (NaCl) Paraffin oil Reusable according EN 143:2 Dolomite clogging test & mark	70 min 20 min 40 min 25 min 20 min EN 143 requirements max. 0,05% max. 0,05% 2000/A1:2006 ing according to EN 143:2000/A1:20	> 150 min > 50 min > 150 min > 70 min > 50 min Typical values < 0,009% < 0,004%
Filter type and class A1 B1 E1 Filter type and class P3 R D Material Housing Cover (particle filter) Filtering material	Cyclohexane (C6H12) Chlorine (Cl2) Hydrogen sulfide (H2S) Hydrocyanic acid (HCN) Sulfur dioxide (SO2) Particles of reference Sodium chloride (NaCl) Paraffin oil Reusable according EN 143:2 Dolomite clogging test & mark	70 min 20 min 40 min 25 min 20 min EN 143 requirements max. 0,05% max. 0,05% 2000/A1:2006 ing according to EN 143:2000/A1:20	> 150 min > 50 min > 150 min > 70 min > 50 min Typical values < 0,009% < 0,004%
Filter type and class A1 B1 E1 Filter type and class P3 R D Material Housing Cover (particle filter) Filtering material Details/Special Information	Cyclohexane (C6H12) Chlorine (Cl2) Hydrogen sulfide (H2S) Hydrocyanic acid (HCN) Sulfur dioxide (SO2) Particles of reference Sodium chloride (NaCl) Paraffin oil Reusable according EN 143:2 Dolomite clogging test & mark plastics plastics impregnated activated carbon	70 min 20 min 40 min 25 min 20 min 0000/A1:2006 ing according to EN 143:2000/A1:200	> 150 min > 50 min > 150 min > 70 min > 50 min Typical values < 0,009% < 0,004% 006 and EN 14387
Filter type and class A1 B1 E1 Filter type and class P3 R D Material Housing Cover (particle filter) Filtering material	Cyclohexane (C6H12) Chlorine (Cl2) Hydrogen sulfide (H2S) Hydrocyanic acid (HCN) Sulfur dioxide (SO2) Particles of reference Sodium chloride (NaCl) Paraffin oil Reusable according EN 143:2 Dolomite clogging test & mark	70 min 20 min 40 min 25 min 20 min EN 143 requirements max. 0,05% max. 0,05% 2000/A1:2006 ing according to EN 143:2000/A1:20	> 150 min > 50 min > 150 min > 70 min > 50 min Typical values < 0,009% < 0,004%
Filter type and class A1 B1 E1 Filter type and class P3 R D Material Housing Cover (particle filter) Filtering material Details/Special Information	Cyclohexane (C6H12) Chlorine (Cl2) Hydrogen sulfide (H2S) Hydrocyanic acid (HCN) Sulfur dioxide (SO2) Particles of reference Sodium chloride (NaCl) Paraffin oil Reusable according EN 143:2 Dolomite clogging test & mark plastics plastics impregnated activated carbon Factory sealed	70 min 20 min 40 min 25 min 20 min 0000/A1:2006 ing according to EN 143:2000/A1:200	 > 150 min > 50 min > 150 min > 70 min > 50 min Typical values < 0,009% < 0,004% 006 and EN 14387 5,0 years
Filter type and class A1 B1 E1 Filter type and class P3 R D Material Housing Cover (particle filter) Filtering material Details/Special Information Storage conditions & time	Cyclohexane (C6H12) Chlorine (Cl2) Hydrogen sulfide (H2S) Hydrocyanic acid (HCN) Sulfur dioxide (SO2) Particles of reference Sodium chloride (NaCl) Paraffin oil Reusable according EN 143:2 Dolomite clogging test & mark plastics plastics impregnated activated carbon Factory sealed When one filter of a multiple fi	70 min 20 min 40 min 25 min 20 min EN 143 requirements max. 0,05% max. 0,05% 2000/A1:2006 2000/A1:2007 2	> 150 min > 50 min > 150 min > 70 min > 50 min Typical values < 0,009%
Filter type and class A1 B1 E1 Filter type and class P3 R D Material Housing Cover (particle filter) Filtering material Details/Special Information Storage conditions & time * Note:	Cyclohexane (C6H12) Chlorine (Cl2) Hydrogen sulfide (H2S) Hydrocyanic acid (HCN) Sulfur dioxide (SO2) Particles of reference Sodium chloride (NaCl) Paraffin oil Reusable according EN 143:2 Dolomite clogging test & mark plastics plastics impregnated activated carbon Factory sealed When one filter of a multiple fi	70 min 20 min 40 min 25 min 20 min EN 143 requirements max. 0,05% max. 0,05% cooldary	> 150 min > 50 min > 150 min > 70 min > 50 min Typical values < 0,009%
Filter type and class A1 B1 E1 Filter type and class P3 R D Material Housing Cover (particle filter) Filtering material Details/Special Information Storage conditions & time * Note:	Cyclohexane (C6H12) Chlorine (Cl2) Hydrogen sulfide (H2S) Hydrocyanic acid (HCN) Sulfur dioxide (SO2) Particles of reference Sodium chloride (NaCl) Paraffin oil Reusable according EN 143:2 Dolomite clogging test & mark plastics plastics impregnated activated carbon Factory sealed When one filter of a multiple fi divided by the number of filter	70 min 20 min 40 min 25 min 20 min EN 143 requirements max. 0,05% max. 0,05% 2000/A1:2006 sing according to EN 143:2000/A1:20 - 5 °C to + 50°C, < 90 % r. h.	> 150 min > 50 min > 150 min > 70 min > 50 min Typical values < 0,009%
Filter type and class A1 B1 E1 Filter type and class P3 R D Material Housing Cover (particle filter) Filtering material Details/Special Information Storage conditions & time * Note:	Cyclohexane (C6H12) Chlorine (Cl2) Hydrogen sulfide (H2S) Hydrocyanic acid (HCN) Sulfur dioxide (SO2) Particles of reference Sodium chloride (NaCl) Paraffin oil Reusable according EN 143:2 Dolomite clogging test & mark plastics plastics plastics impregnated activated carbon Factory sealed When one filter of a multiple fi divided by the number of filter 30 l/min : 2 filters = 15 l/min p 95 l/min : 2 filters = 47,5 l/min	70 min 20 min 40 min 25 min 20 min EN 143 requirements max. 0,05% max. 0,05% 2000/A1:2006 sing according to EN 143:2000/A1:20 - 5 °C to + 50°C, < 90 % r. h.	> 150 min > 50 min > 150 min > 70 min > 50 min Typical values < 0,009%