



FILTER

Model: 100 LD P3 R
P/N 12415LD00

Particle filter with standard thread connector to **EN 148-1** for dusts, fumes, mists.

The filter can be used with masks type **TR 82**, **TR 2002 CL2** and **TR 2002 CL3**, halfmasks **ST 85** or equivalent, provided that they are fitted with EN 148-1 connector.



TECHNICAL DATA

Inhalation resistance
at 30 l/min 0.5 mbar
at 95 l/min: 1.7 mbar

Particle filtration performance - Long duration

Filter Type	Class	Testing Flow (l/min)	Testing Aerosol	Penetration Max required (%)	Penetration Max measured (%)		
					(1)	(2)	(3)
P R	3	95	NaCl	0.05	0.001	/	/
			Paraffin Oil	0.05	0.002	0.001	0.001

(1) 3 min exposure

(2) after exposure at 120 mg of paraffin oil

(3) 3 min exposure after (2) and after 24h storage

Marking R means that the filter is reusable for more than one workshift.

Limitations for use

Do not use in areas where the oxygen concentration is lower than 17% nor in presence of gases and vapours.



FILTER

Model: 100 LD P3 R
P/N 12415LD00

CLASSIFICATION

Filter complying with Directive **89/686/EEC (PPE)**
Particle Filter, class P3 R, to EN143:2000 / A1:2006.
Label colour code: white.

MARKING



MATERIALS

Housing: polypropylene
Filter Media: filter paper

STORAGE

Store at temperatures between -20 and +50 °C and RH <80%

WEIGHT

86 g (3.0 oz) approximately

DIMENSIONS/PACKING

The filter is sold in 4 piece boxes with dimensions 110 x 110 x 135 mm

SHELF LIFE

Filters duly stored and in their original packaging will last ten years from production. The expiry date is printed onto filter label and packaging.

For more information please check the notes along with the products or the ones published on the website: www.spasciani.com

NOTE: SPASCIANI SpA does not take any responsibility for any possible and unintentional mistake and reserve the faculty of modify materials and technical characteristics of its products at any time and without any notice. The pictures are purely indicative and may not represent the actual product described in the text.



FILTER

Model: 100 K2
P/N 124210000

Gas filter with standard thread connector to **EN 148-1** for Ammonia (NH₃) and its derivatives.
The filter can be used with masks type **TR 82**, **TR 2002 CL2** and **TR 2002 CL3**, halfmasks **ST 85** or equivalent, provided that they are fitted with EN 148-1 connector.



TECHNICAL DATA

Inhalation resistance
at 30 l/min: 0.7 mbar
at 95 l/min: 3.1 mbar

Duration at gases

Filter type	Class	Testing Gas	Testing Concentration (PPM)	Testing Flow (l/min)	Testing HR (%)	Breakthrough concentration (PPM)	Duration Required (min)	Duration Tested (min)
K	2	NH ₃	5000	30	70	25	40	55

Limitations for use

Do not use in areas where the oxygen concentration is lower than 17% in volume nor in presence of gases different from those clearly indicated, dusts, fumes and mists.

CLASSIFICATION

Filter complying with Directive **89/686/EEC (PPE)**
Gas Filter, class 2, to **EN 14387:2004 + A1:2008**.
Label colour code: green.

MARKING





FILTER

Model: 100 K2
P/N 124210000

MATERIALS

Housing: polypropylene
Filter Media: activated carbon

STORAGE

Store at temperatures between -20 and +50 °C and RH <80%

WEIGHT

200 g (7.0 oz) approximately.

DIMENSIONS/PACKING

The filter is sold in 4 piece boxes with dimensions 110 x 110 x 135 mm

SHELF LIFE

Filters duly stored and in their original packaging will last five years from production. The expiry date is stamped onto the filter label.

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FILTER

Model: 202 AX**P/N 124430000**

Gas filter with standard thread connector to **EN 148-1** for organic vapours having boiling point lower than 65°C.
The filter can be used with masks type **TR 82, TR 2002 CL2** and **TR 2002 CL3** or equivalent, provided that they are fitted with EN 148-1 connector.



TECHNICAL DATA

Inhalation resistance
at 30 l/min: 0.7 mbar
at 95 l/min: 3.1 mbar

Duration at gases

Filter type	Class	Testing Gas	Testing Concentration (PPM)	Testing Flow (l/min)	Testing HR (%)	Breakthrough concentration (PPM)	Duration Required (min)	Duration Tested (min)
AX	/	CH ₃ OCH ₃	500	30	70	5	50	62
		C ₄ H ₁₀	2500	30	70	5	50	72

Limitations for use

Do not use in areas where the oxygen concentration is lower than 17% in volume nor in presence of gases different from those clearly indicated, dusts, fumes and mists.

WARNING: This filter shall be used only once.

CLASSIFICATION

Filter complying with Directive **89/686/EEC (PPE)**
Gas Filter Type AX, to **EN 14387:2004 + A1:2008**.
Label colour code: brown.

MARKING

CE



FILTER

Model: 202 AX
P/N 124430000

MATERIALS

Housing: polypropylene
Filter Media: activated carbon

STORAGE

Store at temperatures between -20 and +50 °C and RH <80%

WEIGHT

336 g (11.8 oz) approximately

DIMENSIONS/PACKING

The filter is sold in 4 piece boxes with dimensions 220 x 220 x 110 mm

SHELF LIFE

Filters duly stored and in their original packaging will last five years from production. The expiry date is stamped onto the filter label and its packaging.

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FILTER

Model: 201 A2B2

P/N 123200000

Gas filter with standard thread connector to **EN 148-1** for organic vapours having boiling point higher than 65°C and inorganic gases and vapours.

The filter can be used with masks type **TR 82**, **TR 2002 CL2** and **TR 2002 CL3**, halfmasks **ST 85** or equivalent, provided that they are fitted with EN 148-1 connector.



TECHNICAL DATA

Inhalation resistance
 at 30 l/min: 1.1 mbar
 at 95 l/min: 4.5 mbar

Duration at gases

Filter type	Class	Testing Gas	Testing Concentration (PPM)	Testing Flow (l/min)	Testing HR (%)	Breakthrough concentration (PPM)	Duration Required (min)	Duration Tested (min)
A	2	C ₆ H ₁₂	5000	30	70	10	35	>40
B	2	Cl ₂	5000	30	70	0.5	20	>25
		H ₂ S	5000	30	70	10	40	>50
		HCN	5000	30	70	10	25	34

Limitations for use

Do not use in areas where the oxygen concentration is lower than 17% in volume nor in presence of gases different from those clearly indicated, dusts, fumes and mists.

CLASSIFICATION

Filter complying with Directive **89/686/EEC (PPE)**

Gas Filter, class 2, to EN 14387:2004 + A1:2008.

Label colour code: brown, grey.



FILTER

Model: 201 A2B2
P/N 123200000

MARKING



MATERIALS

Housing: polypropylene
Filter Media: activated carbon

STORAGE

Store at temperatures between -20 and +50 °C and RH <80%

WEIGHT

225 g (7.9 oz) approximately

DIMENSIONS/PACKING

The filter is sold in 4 piece boxes with dimensions 220 x 220 x 90 mm

SHELF LIFE

Filters duly stored and in their original packaging will last five years from production. The expiry date is stamped onto the filter label and its packaging.

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FILTER

Model: 202 A2B2P3 R
P/N 123320000

Combined filter with standard thread connector to **EN 148-1** for organic vapours having boiling point higher than 65 °C, inorganic gases and vapours, dusts, fumes and mists.

The filter can be used with masks type **TR 82**, **TR 2002 CL2** and **TR 2002 CL3**, halfmasks **ST 85** or equivalent, provided that they are fitted with EN 148-1 connector.



TECHNICAL DATA

Inhalation resistance
 at 30 l/min: 1.8 mbar
 at 95 l/min: 6.6 mbar

Duration at gases

Filter type	Class	Testing Gas	Testing Concentration (PPM)	Testing Flow (l/min)	Testing HR (%)	Breakthrough concentration (PPM)	Duration Required (min)	Duration Tested (min)
A	2	C ₆ H ₁₂	5000	30	70	10	35	>40
B	2	Cl ₂	5000	30	70	0.5	20	>25
		H ₂ S	5000	30	70	10	40	>50
		HCN	5000	30	70	10	25	34

Performance particle filtration – long duration test

Filter type	Class	Testing Flow (l/min)	Testing Aerosol	Penetration Max Allowed (%)	Penetration Max Measured (%)
P R	3	95	NaCl	0.05	0.003
			Paraffin oil	0.05	0.003

Marking R means that the filter is reusable for more than one workshift.



YOUR SAFETY MAKER



FILTER

Model: 202 A2B2P3 R
P/N 123320000

Limitations for use

Do not use in areas where the oxygen concentration is lower than 17% in volume nor in presence of gases different from those clearly indicated.

CLASSIFICATION

Filter complying with Directive **89/686/EEC (PPE)**

Combined Filter, class 2 for gas protection and particle filter **class P3 R**, to **EN 14387:2004 + A1:2008**.

Label colour code: brown, grey, white

MARKING



MATERIALS

Housing: polypropylene

Filter Media: activated carbon and filter paper

STORAGE

Store at temperatures between -20 and +50 °C and RH <80%

WEIGHT

250 g (8.8 oz) approximately

DIMENSIONS/PACKING

The filter is sold in 4 piece boxes with dimensions 220 x 220 x 110 mm

SHELF LIFE

Filters duly stored and in their original packaging will last five years from production. The expiry date is stamped onto the filter label and its packaging.

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FILTER

Model: 202 A2B2E2K2**P/N 124410000**

Gas filter with standard thread connector to **EN 148-1** for organic vapours having boiling point higher than 65°C, inorganic gases and vapours, Sulphur Dioxide (SO₂), Ammonia (NH₃) and its derivatives.

The filter can be used with masks type **TR 82, TR 2002 CL2** and **TR 2002 CL3** or equivalent, provided that they are fitted with EN 148-1 connector.



TECHNICAL DATA

Inhalation resistance
at 30 l/min: 1.1 mbar
at 95 l/min: 4.4 mbar

Duration at gases

Filter type	Class	Testing Gas	Testing Concentration (PPM)	Testing Flow (l/min)	Testing HR (%)	Breakthrough concentration (PPM)	Duration Required (min)	Duration Tested (min)
A	2	C ₆ H ₁₂	5000	30	70	10	35	53
B	2	Cl ₂	5000	30	70	0.5	20	25
		H ₂ S	5000	30	70	10	40	> 70
		HCN	5000	30	70	10	25	29
E	2	SO ₂	5000	30	70	5	20	23
K	2	NH ₃	5000	30	70	25	40	47

Limitations for use

Do not use in areas where the oxygen concentration is lower than 17% in volume nor in presence of gases different from those clearly indicated, dusts, fumes and mists.



YOUR SAFETY MAKER



FILTER

Model: 202 A2B2E2K2

P/N 124410000

CLASSIFICATION

Filter complying with Directive **89/686/EEC (PPE)**

Gas Filter, class 2, to EN 14387:2004 + A1:2008.

Label colour code: brown, grey, yellow, green.

MARKING



MATERIALS

Housing: polypropylene

Filter Media: activated carbon

STORAGE

Store at temperatures between -20 and +50 °C and RH <80%

WEIGHT

330 g (11.6 oz) approximately

DIMENSIONS/PACKING

The filter is sold in 4 piece boxes with dimensions 220 x 220 x 110 mm

SHELF LIFE

Filters duly stored and in their original packaging will last five years from production. The expiry date is stamped onto the filter label and its packaging.

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FILTER

Model: 203 A2B2E2K2P3 R D
P/N 124530000

Combined filter with standard thread connector to **EN 148-1** for organic vapours having boiling point higher than 65°C, inorganic gases and vapours, Sulphur Dioxide (SO₂), Ammonia (NH₃) and its derivatives, dusts, fumes and mists.

The filter can be used with masks type **TR 82**, **TR 2002 CL2** and **TR 2002 CL3** or equivalent, provided that they are fitted with EN 148-1 connector



TECHNICAL DATA

Inhalation resistance
 at 30 l/min: 1.8 mbar
 at 95 l/min: 6.6 mbar

Duration at gases

Filter type	Class	Testing Gas	Testing Concentration (PPM)	Testing Flow (l/min)	Testing HR (%)	Breakthrough concentration (PPM)	Duration Required (min)	Duration Tested (min)
A	2	C ₆ H ₁₂	5000	30	70	10	35	48
B	2	Cl ₂	5000	30	70	0.5	20	32
		H ₂ S	5000	30	70	10	40	46
		HCN	5000	30	70	10	25	>35
E	2	SO ₂	5000	30	70	5	20	28
K	2	NH ₃	5000	30	70	25	40	52

Performance particle filtration

Filter type	Penetration (l/min)	Testing Aerosol	Penetration Max Allowed (%)	Test 1 (%)	Test 2 (%)	Test 3 (%)
P R	95	NaCl	0.05	0.0019	0.0019	0.0008
		Paraffin oil	0.05	0.0007	0.0008	0.0009

Test Filter Type - Performance Particle Filtration to register:

Test 1: Penetration (media calculated 30 sec after the test beginning)

Test 2: Max Penetration till 120 mg aerosol exposition

Test 3: Penetration (media calculated 30 sec after the test beginning) after 120 mg aerosol exposition and 24h storage

Marking R means that the filter is reusable for more than one workshift.





FILTER

Model: 203 A2B2E2K2P3 R D
P/N 124530000

“D” clogging test with Dolomite Dust.

Filter is submitted to an obstruction test with a concentration of Dolomite of 263 mg.h.m³.

Inhalation resistance: a 95 l/min: 8.4 mbar (request < 10.5 bar)

Filter type	Testing Flow	Testing Aerosol	Penetration Max Allowed (%)	Penetration Max Measured (%)
P R	95	NaCl	0.05	0.0008
		Paraffin oil	0.05	0.0008

Marking D means the filter passed the clogging test with Dolomite dust and it has high performance in dusty and sandy settings.

Limitations for use

Do not use in areas where the oxygen concentration is lower than 17% in volume nor in presence of gases different from those clearly indicated.

CLASSIFICATION

Filter complying with Directive **89/686/EEC (PPE)**

Combined Filter, class 2 for gas protection and particle filter **class P3 R D**, to **EN 14387:2004 + A1:2008**.

Label colour code: brown, grey, yellow, green, white.

MARKING



MATERIALS

Housing: polypropylene

Filter Media: activated carbon and filter paper

STORAGE

Store at temperatures between -20 and +50°C and RH <80%

WEIGHT

312 g approximately.

DIMENSIONS/PACKING

The filter is sold in 4 piece boxes with dimensions 220 x 220 x 110 mm

SHELF LIFE

Filters duly stored and in their original packaging will last five years from production. The expiry date is stamped onto the filter label and its packaging.

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FILTER

Model: 203 A2B2E2K2HgP3 R D
P/N 124540000

Combined filter with standard thread connector to **EN 148-1** for organic vapours having boiling point higher than 65°C, inorganic gases and vapours, Sulphur Dioxide (SO₂), Ammonia (NH₃) and its derivatives, dusts, fumes and mists.

The filter can be used with masks type **TR 82**, **TR 2002 CL2** and **TR 2002 CL3** or equivalent, provided that they are fitted with EN 148-1 connector



TECHNICAL DATA

Inhalation resistance
 at 30 l/min: 1.9 mbar
 at 95 l/min: 6.9 mbar

Duration at gases

Filter type	Class	Testing Gas	Testing Concentration (PPM)	Testing Flow (l/min)	Testing HR (%)	Breakthrough concentration (PPM)	Duration Required (min)	Duration Tested (min)
A	2	C ₆ H ₁₂	5000	30	70	10	35	48
B	2	Cl ₂	5000	30	70	0.5	20	32
		H ₂ S	5000	30	70	10	40	46
		HCN	5000	30	70	10	25	>35
E	2	SO ₂	5000	30	70	5	20	28
K	2	NH ₃	5000	30	70	25	40	52
Hg	/	Hg	1000	30	70	10	100	>120

Performance particle filtration

Filter type	Penetration (l/min)	Testing Aerosol	Penetration Max Allowed (%)	Test 1 (%)	Test 2	Test 3
P R	95	NaCl	0.05	0.0019	0.0019	0.0008
		Paraffin oil	0.05	0.0007	0.0008	0.0009

Test Filter Type - Performance Particle Filtration to register:

Test 1: Penetration (media calculated 30 sec after the test beginning)

Test 2: Max Penetration till 120 mg aerosol exposition

Test 3: Penetration (media calculated 30 sec after the test beginning) after 120 mg aerosol exposition and 24h storage

Marking R means that the filter is reusable for more than one workshift.





FILTER

Model: 203 A2B2E2K2HgP3 R D
P/N 124540000

“D” clogging test with Dolomite Dust.

Filter is submitted to an obstruction test with a concentration of Dolomite of 263 mg.h.m³.

Inhalation resistance: a 95 l/min: 8.4 mbar (request < 10.5 bar)

Filter type	Testing Flow	Testing Aerosol	Penetration Max Allowed (%)	Penetration Max Measured (%)
P R	95	NaCl	0.05	0.0008
		Paraffin oil	0.05	0.0008

Marking D means the filter passed the clogging test with Dolomite dust and it has high performance in dusty and sandy settings.

Limitations for use

Do not use in areas where the oxygen concentration is lower than 17% in volume nor in presence of gases different from those clearly indicated. For type Hg P3 Filter the maximum use duration is 50 h.

CLASSIFICATION

Filter complying with Directive **89/686/EEC (PPE)**

Combined Filter, class 2 for gas protection and particle filter **class P3 R D**, to **EN 14387:2004 + A1:2008**.

Label colour code: brown, grey, yellow, green, white.

MARKING



MATERIALS

Housing: polypropylene

Filter Media: activated carbon and filter paper

STORAGE

Store at temperatures between -20 and +50°C and RH <80%

WEIGHT

312 g approximately.

DIMENSIONS/PACKING

The filter is sold in 4 piece boxes with dimensions 220 x 220 x 110 mm

SHELF LIFE

Filters duly stored and in their original packaging will last five years from production. The expiry date is stamped onto the filter label and its packaging.

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FILTER

Model: 203 UP3

P/N 124600000

Combined filter with standard thread connector to **EN 148-1** for organic vapours having boiling point higher than 65°C, inorganic gases and vapours, Sulphur Dioxide (SO₂), Ammonia (NH₃) and its derivatives, Mercury Vapours, Carbon Monoxide (CO), dusts, fumes, mists.

The filter can be used with masks type **TR 82**, **TR 2002 CL2** and **TR 2002 CL3** or equivalent, provided that they are fitted with EN 148-1 connector.



TECHNICAL DATA

Inhalation resistance
at 30 l/min: 1.8 mbar
at 95 l/min: 7.0 mbar

Duration at gases

Filter type	Class	Testing Gas	Testing Concentration (PPM)	Testing Flow (l/min)	Testing HR (%)	Breakthrough concentration (PPM)	Duration Required (min)	Duration Tested (min)
A	2	C ₆ H ₁₂	5000	30	70	10	35	37
B	2	Cl ₂	5000	30	70	0.5	20	44
		H ₂ S	5000	30	70	10	40	> 80
		HCN	5000	30	70	10	25	> 50
		SO ₂	5000	30	70	5	20	25
E	2	SO ₂	5000	30	70	5	20	25
K	2	NH ₃	5000	30	70	25	40	48
NO	/	NO	2500	30	70	5	20	> 40
		NO ₂	2500	30	70	5	20	> 40
Hg	/	Hg	1.6 ml/m ³	30	70	0.1 ml/m ³	>100h	> 120h
CO	20 min	CO	2500	20x1.590 - 100 % UR	20.7 g/m ³ a 23 - 25 °C	200	> 20	> 20
			5000					
			10000					



FILTER

Model: 203 UP3

P/N 124600000

Performance particle filtration – long duration test

Filter type	Class	Testing Flow (l/min)	Testing Aerosol	Penetration Max Allowed (%)	Penetration Max Measured (%)
P R	3	95	NaCl	0.05	0.001
			Paraffin oil	0.05	0.002

Marking R means that the filter is reusable for more than one workshift.

Marking NR means that the filter cannot be used for more than one workshift.

Limitations for use

Do not use in areas where the oxygen concentration is lower than 17% in volume nor in presence of gases different from those clearly indicated.

WARNING: The filter can only be used once against CO and NO_x and up to 50 hours against Hg and for 20 min with CO.

CLASSIFICATION

Filter complying with Directive **89/686/EEC (PPE)**

The filter is certified:

1 EN 14387:2004 + A1:2008 for types **ABEK (class 2), NO** and **Hg**

2 EN143:2000 / A1:2006 for the particle filter media (**class P3 R**)

3 DIN 58620 for protection against **CO (class 20)**

Label colour code: brown, grey, yellow, green, blue, red, black, white.

MARKING



MATERIALS

Housing: polypropylene

Filter Media: activated carbon and filter paper

STORAGE

Store at temperatures between -20 and +50°C and RH <80%



FILTER

Model: 203 UP3

P/N 124600000

DIMENSIONS/PACKING

The filter is wrapped in a multi-barrier foil and is sold in 1 piece boxes with dimensions 110 x110 x135 mm

WEIGHT

460 g (16.2 oz) approximately

SHELF LIFE

Filters duly stored and in their original packaging will last five years from production. The expiry date is stamped onto the filter label and its packaging.

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