Дыхательные фильтры с резьбовым соединением DIN EN 148-1

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Technical Data Sheet DIRIN 230 A2 *compact*

Order no.:	422 161
Product designation:	Gas Filter DIRIN 230 A2 *compact*
Applied standard:	DIN EN 14387 (DIN = German Institute for Standardization)
Utilization:	In connection with full masks (DIN EN 136) and half masks (DIN EN 140) with round thread connection (DIN EN 148-1). Protection against organic gases and vapours with a boiling point >65°C
Description:	The filter case is round and consists of filter pot and filter lid. The filter pot contains the round thread connection according to DIN EN 148-1; the filter lid is open to the inhalation side. There is a filter bed with activated charcoal. This is firmly fixed by the filter case and internal screens. Both filter openings are locked by water-vapour-proof cover caps.
Materials:	All used materials are incinerated. Filter case: Plastic (ABS) Sorbents: impregnated active charcoal Cover cap: Plastic Banderole: Paper
Operating principle:	By addition to sorbent (Impregnated active charcoal), the gases and vapours will be removed from the ambient air.
Weight:	approx. 135 g
Inhalation resistance:	at 30 l/min, constant flow max. 1.4 mbar (according to 14387) at 95 l/min, constant flow max. 5.6 mbar (according to 14387)
Marking:	Trade mark of manufacturer (LOGO) Product designation Applied standard Consider the information brochure Expiry of shelf-life (MM/YYYY) Lot-No. (PARTITA) CE-Identification Notified body Identification color: brown
Handling:	Open the Filter (Remove the cover caps) and screw the Filter firmly into the facepiece connector directly before use. Use the Filter in accordance with the information brochure.
Storage conditions:	Ambient temperature. Protect against cold, heat and humidity. Consider conditions noted on the packaging.
Warning reference:	Please consider the information brochure!
User references:	EKASTU Safety GmbH guarantees the indicated achievement according to class and type. It is to be noted that the laboratory test values can considerably deviate from those, which are reached in practice. The user must read and understand all functional information. Use the Respiratory protective devices with this information brochure, the relevant valid statutory regulations and the safety requirements of the profession associations, particularly the regulations for use in accordance with DGUV Rule 112-190 resp. DIN EN 529 ‘Respiratory protective devices – recommendation for selection, use, care and maintenance – guidelines’.

Technical Data Sheet DIRIN 230 P3R D

Order no.:	422 735
Product designation:	Particle Filter DIRIN 230 P3R D
Applied standard:	DIN EN 143 (DIN = German Institute for Standardization)
Utilization:	In connection with full masks (DIN EN 136) and half masks (DINEN 140) with round thread connection (DIN EN 148-1). Protection against particles of toxic and highly toxic substances.
Description:	The filter case is round and consists of filter pot and filter lid. The filter pot contains the round thread connection according to DIN EN 148-1; the filter lid is open to the inhalation side. The particle filter consists of one construction unit and has bar folding. A gastight connection between the particle filter and the case is provided.
Materials:	All used materials are incinerated. Filter case: Plastic (ABS) Particle filter: Microfiberglass, Cellulose fibers, Addition (BIOSTOP)
Operating principle:	Particles are filtered through the BIOSTOP microfiberglass filter.
Weight:	approx. 66 g
Inhalation resistance:	at 30 l/min, constant flow max. 1.2 mbar (according to EN 143) at 95 l/min, constant flow max. 4.2 mbar (according to EN 143)
Marking:	Trade mark of manufacturer (LOGO) Product designation Applied standard Consider the information brochure Expiry of shelf-life (MM/YYYY) Lot-No. (PARTITA) CE-Identification Notified body Identification color: white
Handling:	Screw the Filter firmly into the facepiece connector directly before use. Use the Filter in accordance with the information brochure.
Storage conditions:	Ambient temperature. Protect against cold, heat and humidity. Consider conditions noted on the packaging.
Warning reference:	Please consider the information brochure!
User references:	EKASTU Safety GmbH guarantees the indicated achievement according to class and type. It is to be noted that the laboratory test values can considerably deviate from those, which are reached in practice. The user must read and understand all functional information. Use the Respiratory protective devices with this information brochure, the relevant valid statutory regulations and the safety requirements of the profession associations, particularly the regulations for use in accordance with DGUV Rule 112-190 resp. DIN EN 529 ‘Respiratory protective devices – recommendation for selection, use, care and maintenance – guidelines’.

Technical Data Sheet 200 A1 – P1NR

Order no.:	422 396
Product designation:	Combined Filter 200 A1 – P1NR
Applied standard:	DIN EN 14387 (DIN = German Institute for Standardization)
Utilization:	In connection with half masks Polimask 100/2, Polimask BETA, Polimask BETA/Silicone (DINEN 140) and full mask C 607/TWIN (DIN EN 136). Protection against organic gases and vapours with a boiling point > 65°C, as well as particles of inert substances.
Description:	The filter case is round and consists of filter pot and holder. The filter pot contains the Special thread, the holder is open to the inhalation side. There is a filter bed with activated charcoal. This is firmly fixed by the filter case and internal screens. The particle filter is positioned with inhalation side in front of the gas filter part by means of holder. A gastight connection between the particle filter and the case is provided. The filter is welded in a water-vapour-proof plastic bag.
Materials:	All used materials are incinerated. Filter case: Polystyrene Sorbents: Impregnated active charcoal Particle filter: Microfiberglass, Cellulose fibers
Operating principle:	By addition to sorbent (Impregnated active charcoal), the gases and vapours will be removed from the ambient air. Particles are filtered through the microfiberglass filter.
Weight:	approx. 69 g
Inhalation resistance:	at 30 l/min, constant flow max. 1.6 mbar (according to 14387) at 95 l/min, constant flow max. 6.1 mbar (according to 14387)
Marking:	Trade mark of manufacturer (LOGO) Product designation Applied standard Consider the information brochure Only for using with double filter Expiry of shelf-life (MM/YYYY) Lot-No. (PARTITA) CE-Identification Notified body Identification color: brown – white
Handling:	Open the Filter and screw the Filter firmly into the facepiece connector directly before use. Use the Filter in accordance with the information brochure.
Storage conditions:	Ambient temperature. Protect against cold, heat and humidity. Consider conditions noted on the packaging.
Warning reference:	Please consider the information brochure!
User references:	EKASTU Safety GmbH guarantees the indicated achievement according to class and type. It is to be noted that the laboratory test values can considerably deviate from those, which are reached in practice. The user must read and understand all functional information. Use the Respiratory protective devices with this information brochure, the relevant valid statutory regulations and the safety requirements of the profession associations, particularly the regulations for use in accordance with DGUV Rule 112-190 resp. DIN EN 529 ‘Respiratory protective devices – recommendation for selection, use, care and maintenance – guidelines’.

Technical Data Sheet DIRIN 230 A2

Order no.: 422 761

Product designation: Gas Filter DIRIN 230 A2

Applied standard: DIN EN 14387 (DIN = German Institute for Standardization)

Utilization: In connection with full masks (DIN EN 136) and half masks (DINEN 140) with round thread connection (DIN EN 148-1).
Protection against organic gases and vapours with a boiling point > 65°C

Description: The filter case is round and consists of filter pot and filter lid. The filter pot contains the round thread connection according to DIN EN 148-1; the filter lid is open to the inhalation side. There is a filter bed with activated charcoal. This is firmly fixed by the filter case and internal screens. Both filter openings are locked by water-vapour-proof cover caps.

Materials: All used materials are incinerated.

Filter case:	Plastic (ABS)
Sorbents:	impregnated active charcoal
Cover cap:	Plastic
Banderole:	Paper

Operating principle: By addition to sorbent (Impregnated active charcoal), the gases and vapours will be removed from the ambient air.

Weight: approx. 192 g

Inhalation resistance: at 30 l/min, constant flow max. 1.4 mbar (according to 14387)
at 95 l/min, constant flow max. 5.6 mbar (according to 14387)

Marking: Trade mark of manufacturer (LOGO)
Product designation
Applied standard
Consider the information brochure
Expiry of shelf-life (MM/YYYY)
Lot-No. (PARTITA)
CE-Identification
Notified body
Identification color: brown

Handling: Open the Filter (Remove the cover caps) and screw the Filter firmly into the facepiece connector directly before use. Use the Filter in accordance with the information brochure.

Storage conditions: Ambient temperature. Protect against cold, heat and humidity.
Consider conditions noted on the packaging.

Warning reference: Please consider the information brochure!

User references: EKASTU Safety GmbH guarantees the indicated achievement according to class and type. It is to be noted that the laboratory test values can considerably deviate from those, which are reached in practice. The user must read and understand all functional information. Use the Respiratory protective devices with this information brochure, the relevant valid statutory regulations and the safety requirements of the profession associations, particularly the regulations for use in accordance with DGUV Rule 112-190 resp. DIN EN 529 ‘Respiratory protective devices – recommendation for selection, use, care and maintenance – guidelines’.

Technical Data Sheet 230 A1

Order no.:	422 321
Product designation:	Gas Filter 230 A1
Applied standard:	DIN EN 14387 (DIN = German Institute for Standardization)
Utilization:	In connection with half masks Polimask 230, Polimask GAMMA and Polimask GAMMA/Silicone. In connection with filter adapter 230 for full masks (DIN EN 136) and half masks (DIN EN 140) with round thread connection (DIN EN 148-1). Protection against organic gases and vapours with a boiling point > 65°C
Description:	The filter case is round and consists of filter pot and filter lid. The filter pot contains the Special thread; the filter lid is open to the inhalation side. The particle filter consists of one construction unit and has bar folding. A gastight connection between the particle filter and the case is provided. The filter is welded in a water-vapor-proof plastic bag.
Materials:	All used materials are incinerated. Filter case: Plastic (ABS) Sorbents: Impregnated active charcoal Banderole: Paper
Operating principle:	By addition to sorbent (Impregnated active charcoal), the gases and vapours will be removed from the ambient air.
Weight:	approx. 94 g
Inhalation resistance:	at 30 l/min, constant flow max. 1.0 mbar (according to 14387) at 95 l/min, constant flow max. 4.0 mbar (according to 14387)
Marking:	Trade mark of manufacturer (LOGO) Product designation Applied standard Consider the information brochure Expiry of shelf-life (MM/YYYY) Lot-No. (PARTITA) CE-Identification Notified body Identification color: brown
Handling:	Open the Filter and screw the Filter firmly into the facepiece connector directly before use. Use the Filter in accordance with the information brochure.
Storage conditions:	Ambient temperature. Protect against cold, heat and humidity. Consider conditions noted on the packaging.
Warning reference:	Please consider the information brochure!
User references:	EKASTU Safety GmbH guarantees the indicated achievement according to class and type. It is to be noted that the laboratory test values can considerably deviate from those, which are reached in practice. The user must read and understand all functional information. Use the Respiratory protective devices with this information brochure, the relevant valid statutory regulations and the safety requirements of the profession associations, particularly the regulations for use in accordance with DGUV Rule 112-190 resp. DIN EN 529 ‘Respiratory protective devices – recommendation for selection, use, care and maintenance – guidelines’.

Technical Data Sheet 230 P3R D

Order no.:	422 275
Product designation:	Particle Filter 230 P3R D
Applied standard:	DIN EN 143 (DIN = German Institute for Standardization)
Utilization:	In connection with half masks Polimask 230, Polimask GAMMA and Polimask GAMMA/Silicone. In connection with filter adapter 230 for full masks (DIN EN 136) and half masks (DIN EN 140) with round thread connection (DIN EN 148-1). Protection against particles of toxic and highly toxic substances.
Description:	The filter case is round and consists of filter pot and filter lid. The filter pot contains the Special thread; the filter lid is open to the inhalation side. The particle filter consists of one construction unit and has bar folding. A gastight connection between the particle filter and the case is provided. The filter is welded in a water-vapour-proof plastic bag.
Materials:	All used materials are incinerated. Filter case: Plastic (ABS) Particle filter: Microfiberglass, Cellulose fibers, Addition (BIOSTOP) Banderole: Paper
Operating principle:	Particles are filtered through the BIOSTOP microfiberglass filter.
Weight:	approx. 51 g
Inhalation resistance:	at 30 l/min, constant flow max. 1.2 mbar (according to 143) at 95 l/min, constant flow max. 4.2 mbar (according to 143)
Marking:	Trade mark of manufacturer (LOGO) Product designation Applied standard Consider the information brochure Expiry of shelf-life (MM/YYYY) Lot-No. (PARTITA) CE-Identification Notified body Identification color: white
Handling:	Open the Filter and screw the Filter firmly into the facepiece connector directly before use. Use the Filter in accordance with the information brochure.
Storage conditions:	Ambient temperature. Protect against cold, heat and humidity. Consider conditions noted on the packaging.
Warning reference:	Please consider the information brochure!
User references:	EKASTU Safety GmbH guarantees the indicated achievement according to class and type. It is to be noted that the laboratory test values can considerably deviate from those, which are reached in practice. The user must read and understand all functional information. Use the Respiratory protective devices with this information brochure, the relevant valid statutory regulations and the safety requirements of the profession associations, particularly the regulations for use in accordance with DGUV Rule 112-190 resp. DIN EN 529 ‘Respiratory protective devices – recommendation for selection, use, care and maintenance – guidelines’.

Technical Data Sheet DIRIN 230 B2

Order no.:	422 762
Product designation:	Gas Filter DIRIN 230 B2
Applied standard:	DIN EN 14387 (DIN = German Institute for Standardization)
Utilization:	In connection with full masks (DIN EN 136) and half masks (DINEN 140) with round thread connection (DIN EN 148-1). Protection against inorganic gases and vapours.
Description:	The filter case is round and consists of filter pot and filter lid. The filter pot contains the round thread connection according to DIN EN 148-1; the filter lid is open to the inhalation side. There is a filter bed with activated charcoal. This is firmly fixed by the filter case and internal screens. Both filter openings are locked by water-vapour-proof cover caps.
Materials:	All used materials are incinerated. Filter case: Plastic (ABS) Sorbents: impregnated active charcoal Cover cap: Plastic Banderole: Paper
Operating principle:	By addition to sorbent (Impregnated active charcoal), the gases and vapours will be removed from the ambient air.
Weight:	approx. 230 g
Inhalation resistance:	at 30 l/min, constant flow max. 1.4 mbar (according to 14387) at 95 l/min, constant flow max. 5.6 mbar (according to 14387)
Marking:	Trade mark of manufacturer (LOGO) Product designation Applied standard Consider the information brochure Expiry of shelf-life (MM/YYYY) Lot-No. (PARTITA) CE-Identification Notified body Identification color: grey
Handling:	Open the Filter (Remove the cover caps) and screw the Filter firmly into the facepiece connector directly before use. Use the Filter in accordance with the information brochure.
Storage conditions:	Ambient temperature. Protect against cold, heat and humidity. Consider conditions noted on the packaging.
Warning reference:	Please consider the information brochure!
User references:	EKASTU Safety GmbH guarantees the indicated achievement according to class and type. It is to be noted that the laboratory test values can considerably deviate from those, which are reached in practice. The user must read and understand all functional information. Use the Respiratory protective devices with this information brochure, the relevant valid statutory regulations and the safety requirements of the profession associations, particularly the regulations for use in accordance with DGUV Rule 112-190 resp. DIN EN 529 ‘Respiratory protective devices – recommendation for selection, use, care and maintenance – guidelines’.

Technical Data Sheet DIRIN 230 K2

Order no.:	422 764
Product designation:	Gas Filter DIRIN 230 K2
Applied standard:	DIN EN 14387 (DIN = German Institute for Standardization)
Utilization:	In connection with full masks (DIN EN 136) and half masks (DINEN 140) with round thread connection (DIN EN 148-1). Protection against ammonia.
Description:	The filter case is round and consists of filter pot and filter lid. The filter pot contains the round thread connection according to DIN EN 148-1; the filter lid is open to the inhalation side. There is a filter bed with activated charcoal. This is firmly fixed by the filter case and internal screens. Both filter openings are locked by water-vapour-proof cover caps.
Materials:	All used materials are incinerated. Filter case: Plastic (ABS) Sorbents: impregnated active charcoal Cover cap: Plastic Banderole: Paper
Operating principle:	By addition to sorbent (Impregnated active charcoal), the gases and vapours will be removed from the ambient air.
Weight:	approx. 226 g
Inhalation resistance:	at 30 l/min, constant flow max. 1.4 mbar (according to 14387) at 95 l/min, constant flow max. 5.6 mbar (according to 14387)
Marking:	Trade mark of manufacturer (LOGO) Product designation Applied standard Consider the information brochure Expiry of shelf-life (MM/YYYY) Lot-No. (PARTITA) CE-Identification Notified body Identification color: green
Handling:	Open the Filter (Remove the cover caps) and screw the Filter firmly into the facepiece connector directly before use. Use the Filter in accordance with the information brochure.
Storage conditions:	Ambient temperature. Protect against cold, heat and humidity. Consider conditions noted on the packaging.
Warning reference:	Please consider the information brochure!
User references:	EKASTU Safety GmbH guarantees the indicated achievement according to class and type. It is to be noted that the laboratory test values can considerably deviate from those, which are reached in practice. The user must read and understand all functional information. Use the Respiratory protective devices with this information brochure, the relevant valid statutory regulations and the safety requirements of the profession associations, particularly the regulations for use in accordance with DGUV Rule 112-190 resp. DIN EN 529 ‘Respiratory protective devices – recommendation for selection, use, care and maintenance – guidelines’.

Technical Data Sheet DIRIN 230 A2 B2 E2 K1

Order no.:	422 760
Product designation:	Multi-type Filter DIRIN 230 A2 B2 E2 K1
Applied standard:	DIN EN 14387 (DIN = German Institute for Standardization)
Utilization:	In connection with full masks (DIN EN 136) and half masks (DINEN 140) with round thread connection (DIN EN 148-1). Protection against organic gases and vapours with a boiling point > 65°C, inorganic gases and vapours, sulphur dioxide and ammonia.
Description:	The filter case is round and consists of filter pot and filter lid. The filter pot contains the round thread connection according to DIN EN 148-1; the filter lid is open to the inhalation side. There is a filter bed with activated charcoal. This is firmly fixed by the filter case and internal screens. Both filter openings are locked by water-vapour-proof cover caps.
Materials:	All used materials are incinerated. Filter case: Plastic (ABS) Sorbents: impregnated active charcoal Cover cap: Plastic Banderole: Paper
Operating principle:	By addition to sorbent (Impregnated active charcoal), the gases and vapours will be removed from the ambient air.
Weight:	approx. 240 g
Inhalation resistance:	at 30 l/min, constant flow max. 1.4 mbar (according to 14387) at 95 l/min, constant flow max. 5.6 mbar (according to 14387)
Marking:	Trade mark of manufacturer (LOGO) Product designation Applied standard Consider the information brochure Expiry of shelf-life (MM/YYYY) Lot-No. (PARTITA) CE-Identification Notified body Identification color: brown – grey – yellow – green
Handling:	Open the Filter (Remove the cover caps) and screw the Filter firmly into the facepiece connector directly before use. Use the Filter in accordance with the information brochure.
Storage conditions:	Ambient temperature. Protect against cold, heat and humidity. Consider conditions noted on the packaging.
Warning reference:	Please consider the information brochure!
User references:	EKASTU Safety GmbH guarantees the indicated achievement according to class and type. It is to be noted that the laboratory test values can considerably deviate from those, which are reached in practice. The user must read and understand all functional information. Use the Respiratory protective devices with this information brochure, the relevant valid statutory regulations and the safety requirements of the profession associations, particularly the regulations for use in accordance with DGUV Rule 112-190 resp. DIN EN 529 ‘Respiratory protective devices – recommendation for selection, use, care and maintenance – guidelines’.

Technical Data Sheet DIRIN 230 A2 - P3R D *compact*

Order no.: 422 186

Product designation: Combined Filter DIRIN 230 A2 - P3R D *compact*

Applied standard: DIN EN 14387 (DIN = German Institute for Standardization)

Utilization: In connection with full masks (DIN EN 136) and half masks (DIN EN 140) with round thread connection (DIN EN 148-1).
Protection against organic gases and vapours with a boiling point >65°C, as well as particles of toxic and highly toxic substances.

Description: The filter case is round and consists of filter pot and filter lid. The filter pot contains the round thread connection according to DIN EN 148-1, the filter lid is open to the inhalation side. There is a filter bed with activated charcoal. This is firmly fixed by the filter case and internal screens. The particle filter is positioned with inhalation side in front of the gas filter part. The particle filter consists of one construction unit and has bar folding. A gastight connection between the particle filter and the case is provided. Both filter openings are locked by water-vapour-proof cover caps.

Materials: All used materials are incinerated.

Filter case:	Plastic (ABS)
Sorbents:	impregnated active charcoal
Particle filter:	Microfiberglass, Cellulose fibers, Addition (BIOSTOP)
Cover cap:	Plastic
Banderole:	Paper

Operating principle: By addition to sorbent (Impregnated active charcoal), the gases and vapours will be removed from the ambient air. Particles are filtered through the BIOSTOP microfiberglass filter.

Weight: approx. 180 g

Inhalation resistance: at 30 l/min, constant flow max. 2.6 mbar (according to 14387)
at 95 l/min, constant flow max. 9.8 mbar (according to 14387)

Marking: Trade mark of manufacturer (LOGO)
Product designation
Applied standard
Consider the information brochure
Expiry of shelf-life (MM/YYYY)
Lot-No. (PARTITA)
CE-Identification
Notified body
Identification color: brown – white

Handling: Open the Filter (Remove the cover caps) and screw the Filter firmly into the facepiece connector directly before use. Use the Filter in accordance with the information brochure.

Storage conditions: Ambient temperature. Protect against cold, heat and humidity.
Consider conditions noted on the packaging.

Warning reference: Please consider the information brochure!

User references: EKASTU Safety GmbH guarantees the indicated achievement according to class and type. It is to be noted that the laboratory test values can considerably deviate from those, which are reached in practice. The user must read and understand all functional information. Use the Respiratory protective devices with this information brochure, the relevant valid statutory regulations and the safety requirements of the profession associations, particularly the regulations for use in accordance with DGUV Rule 112-190 resp. DIN EN 529 ‘Respiratory protective devices – recommendation for selection, use, care and maintenance – guidelines’.

Technical Data Sheet DIRIN 230 AX

Order no.:	422 791
Product designation:	Gas Filter DIRIN 230 AX
Applied standard:	DIN EN 14387 (DIN = German Institute for Standardization)
Utilization:	In connection with full masks (DIN EN 136) and half masks (DINEN 140) with round thread connection (DIN EN 148-1). Protection against low-boiling (<65°C) organic gases and vapours.
Description:	The filter case is round and consists of filter pot and filter lid. The filter pot contains the round thread connection according to DIN EN 148-1; the filter lid is open to the inhalation side. There is a filter bed with activated charcoal. This is firmly fixed by the filter case and internal screens. Both filter openings are locked by water-vapour-proof cover caps.
Materials:	All used materials are incinerated. Filter case: Plastic (ABS) Sorbents: impregnated active charcoal Cover cap: Plastic Banderole: Paper
Operating principle:	By addition to sorbent (Impregnated active charcoal), the gases and vapours will be removed from the ambient air.
Weight:	approx. 199 g
Inhalation resistance:	at 30 l/min, constant flow max. 1.4 mbar (according to 14387) at 95 l/min, constant flow max. 5.6 mbar (according to 14387)
Marking:	Trade mark of manufacturer (LOGO) Product designation Applied standard Consider the information brochure Expiry of shelf-life (MM/YYYY) Lot-No. (PARTITA) CE-Identification Notified body Identification color: brown
Handling:	Open the Filter (Remove the cover caps) and screw the Filter firmly into the facepiece connector directly before use. Use the Filter in accordance with the information brochure.
Storage conditions:	Ambient temperature. Protect against cold, heat and humidity. Consider conditions noted on the packaging.
Warning reference:	Please consider the information brochure!
User references:	EKASTU Safety GmbH guarantees the indicated achievement according to class and type. It is to be noted that the laboratory test values can considerably deviate from those, which are reached in practice. The user must read and understand all functional information. Use the Respiratory protective devices with this information brochure, the relevant valid statutory regulations and the safety requirements of the profession associations, particularly the regulations for use in accordance with DGUV Rule 112-190 resp. DIN EN 529 ‘Respiratory protective devices – recommendation for selection, use, care and maintenance – guidelines’.

Technical Data Sheet DIRIN 230 A1 B1 E1 K1 - P3R D

Order no.: 422 182

Product designation: Multi-type Combined Filter DIRIN 230 A1 B1 E1 K1 - P3R D

Applied standard: DIN EN 14387 (DIN = German Institute for Standardization)

Utilization: In connection with full masks (DIN EN 136) and half masks (DIN EN 140) with round thread connection (DIN EN 148-1).
Protection against organic gases and vapours with a boiling point >65°C, inorganic gases and vapours, sulphur dioxide and ammonia, as well as particles of toxic and highly toxic substances.

Description: The filter case is round and consists of filter pot and filter lid. The filter pot contains the round thread connection according to DIN EN 148-1, the filter lid is open to the inhalation side. There is a filter bed with activated charcoal. This is firmly fixed by the filter case and internal screens. The particle filter is positioned with inhalation side in front of the gas filter part. The particle filter consists of one construction unit and has bar folding. A gastight connection between the particle filter and the case is provided. Both filter openings are locked by water-vapour-proof cover caps.

Materials: All used materials are incinerated.

Filter case:	Plastic (ABS)
Sorbents:	impregnated active charcoal
Particle filter:	Microfiberglass, Cellulose fibers, Addition (BIOSTOP)
Cover cap:	Plastic
Banderole:	Paper

Operating principle: By addition to sorbent (Impregnated active charcoal), the gases and vapours will be removed from the ambient air. Particles are filtered through the BIOSTOP microfiberglass filter.

Weight: approx. 198 g

Inhalation resistance: at 30 l/min, constant flow max. 2.6 mbar (according to 14387)
at 95 l/min, constant flow max. 9.8 mbar (according to 14387)

Marking: Trade mark of manufacturer (LOGO)
Product designation
Applied standard
Consider the information brochure
Expiry of shelf-life (MM/YYYY)
Lot-No. (PARTITA)
CE-Identification
Notified body
Identification color: brown – grey – yellow – green – white

Handling: Open the Filter (Remove the cover caps) and screw the Filter firmly into the facepiece connector directly before use. Use the Filter in accordance with the information brochure.

Storage conditions: Ambient temperature. Protect against cold, heat and humidity.
Consider conditions noted on the packaging.

Warning reference: Please consider the information brochure!

User references: EKASTU Safety GmbH guarantees the indicated achievement according to class and type. It is to be noted that the laboratory test values can considerably deviate from those, which are reached in practice. The user must read and understand all functional information. Use the Respiratory protective devices with this information brochure, the relevant valid statutory regulations and the safety requirements of the profession associations, particularly the regulations for use in accordance with DGUV Rule 112-190 resp. DIN EN 529 ‘Respiratory protective devices – recommendation for selection, use, care and maintenance – guidelines’.

Technical Data Sheet DIRIN 230 A2 B2 - P3R D

Order no.: 422 781

Product designation: Multi-type Combined Filter DIRIN 230 A2 B2 - P3R D

Applied standard: DIN EN 14387 (DIN = German Institute for Standardization)

Utilization: In connection with full masks (DIN EN 136) and half masks (DINEN 140) with round thread connection (DIN EN 148-1). Protection against organic gases and vapours with a boiling point > 65°C, inorganic gases and vapours, as well as particles of toxic and highly toxic substances.

Description: The filter case is round and consists of filter pot and filter lid. The filter pot contains the round thread connection according to DIN EN 148-1; the filter lid is open to the inhalation side. There is a filter bed with activated charcoal. This is firmly fixed by the filter case and internal screens. The particle filter is positioned with inhalation side in front of the gas filter part. The particle filter consists of one construction unit and has bar folding. A gastight connection between the particle filter and the case is provided. Both filter openings are locked by water-vapour-proof cover caps.

Materials: All used materials are incinerated.

Filter case:	Plastic (ABS)
Sorbents:	impregnated active charcoal
Particle filter:	Microfiberglass, Cellulose fibers, Addition (BIOSTOP)
Cover cap:	Plastic
Banderole:	Paper

Operating principle: By addition to sorbent (Impregnated active charcoal), the gases and vapours will be removed from the ambient air. Particles are filtered through the BIOSTOP microfiberglass filter.

Weight: approx. 249 g

Inhalation resistance: at 30 l/min, constant flow max. 2.6 mbar (according to 14387)
at 95 l/min, constant flow max. 9.8 mbar (according to 14387)

Marking: Trade mark of manufacturer (LOGO)
Product designation
Applied standard
Consider the information brochure
Expiry of shelf-life (MM/YYYY)
Lot-No. (PARTITA)
CE-Identification
Notified body
Identification color: brown – grey – white

Handling: Open the Filter (Remove the cover caps) and screw the Filter firmly into the facepiece connector directly before use. Use the Filter in accordance with the information brochure.

Storage conditions: Ambient temperature. Protect against cold, heat and humidity.
Consider conditions noted on the packaging.

Warning reference: Please consider the information brochure!

User references: EKASTU Safety GmbH guarantees the indicated achievement according to class and type. It is to be noted that the laboratory test values can considerably deviate from those, which are reached in practice. The user must read and understand all functional information. Use the Respiratory protective devices with this information brochure, the relevant valid statutory regulations and the safety requirements of the profession associations, particularly the regulations for use in accordance with DGUV Rule 112-190 resp. DIN EN 529 ‘Respiratory protective devices – recommendation for selection, use, care and maintenance – guidelines’.

Technical Data Sheet DIRIN 230 A2 - P3R D

Order no.: 422 786

Product designation: Combined Filter DIRIN 230 A2 - P3R D

Applied standard: DIN EN 14387 (DIN = German Institute for Standardization)

Utilization: In connection with full masks (DIN EN 136) and half masks (DINEN 140) with round thread connection (DIN EN 148-1). Protection against organic gases and vapours with a boiling point > 65°C, as well as particles of toxic and highly toxic substances.

Description: The filter case is round and consists of filter pot and filter lid. The filter pot contains the round thread connection according to DIN EN 148-1, the filter lid is open to the inhalation side. There is a filter bed with activated charcoal. This is firmly fixed by the filter case and internal screens. The particle filter is positioned with inhalation side in front of the gas filter part. The particle filter consists of one construction unit and has bar folding. A gastight connection between the particle filter and the case is provided. Both filter openings are locked by water-vapour-proof cover caps.

Materials: All used materials are incinerated.

Filter case:	Plastic (ABS)
Sorbents:	impregnated active charcoal
Particle filter:	Microfiberglass, Cellulose fibers, Addition (BIOSTOP)
Cover cap:	Plastic
Banderole:	Paper

Operating principle: By addition to sorbent (Impregnated active charcoal), the gases and vapours will be removed from the ambient air. Particles are filtered through the BIOSTOP microfiberglass filter.

Weight: approx. 220 g

Inhalation resistance: at 30 l/min, constant flow max. 2.6 mbar (according to 14387)
at 95 l/min, constant flow max. 9.8 mbar (according to 14387)

Marking: Trade mark of manufacturer (LOGO)
Product designation
Applied standard
Consider the information brochure
Expiry of shelf-life (MM/YYYY)
Lot-No. (PARTITA)
CE-Identification
Notified body
Identification color: brown – white

Handling: Open the Filter (Remove the cover caps) and screw the Filter firmly into the facepiece connector directly before use. Use the Filter in accordance with the information brochure.

Storage conditions: Ambient temperature. Protect against cold, heat and humidity.
Consider conditions noted on the packaging.

Warning reference: Please consider the information brochure!

User references: EKASTU Safety GmbH guarantees the indicated achievement according to class and type. It is to be noted that the laboratory test values can considerably deviate from those, which are reached in practice. The user must read and understand all functional information. Use the Respiratory protective devices with this information brochure, the relevant valid statutory regulations and the safety requirements of the profession associations, particularly the regulations for use in accordance with DGUV Rule 112-190 resp. DIN EN 529 ‘Respiratory protective devices – recommendation for selection, use, care and maintenance – guidelines’.

Technical Data Sheet DIRIN 230 A2 - P3R D

Order no.: 422 786

Product designation: Combined Filter DIRIN 230 A2 - P3R D

Applied standard: DIN EN 14387 (DIN = German Institute for Standardization)

Utilization: In connection with full masks (DIN EN 136) and half masks (DINEN 140) with round thread connection (DIN EN 148-1). Protection against organic gases and vapours with a boiling point > 65°C, as well as particles of toxic and highly toxic substances.

Description: The filter case is round and consists of filter pot and filter lid. The filter pot contains the round thread connection according to DIN EN 148-1, the filter lid is open to the inhalation side. There is a filter bed with activated charcoal. This is firmly fixed by the filter case and internal screens. The particle filter is positioned with inhalation side in front of the gas filter part. The particle filter consists of one construction unit and has bar folding. A gastight connection between the particle filter and the case is provided. Both filter openings are locked by water-vapour-proof cover caps.

Materials: All used materials are incinerated.

Filter case:	Plastic (ABS)
Sorbents:	impregnated active charcoal
Particle filter:	Microfiberglass, Cellulose fibers, Addition (BIOSTOP)
Cover cap:	Plastic
Banderole:	Paper

Operating principle: By addition to sorbent (Impregnated active charcoal), the gases and vapours will be removed from the ambient air. Particles are filtered through the BIOSTOP microfiberglass filter.

Weight: approx. 220 g

Inhalation resistance: at 30 l/min, constant flow max. 2.6 mbar (according to 14387)
at 95 l/min, constant flow max. 9.8 mbar (according to 14387)

Marking: Trade mark of manufacturer (LOGO)
Product designation
Applied standard
Consider the information brochure
Expiry of shelf-life (MM/YYYY)
Lot-No. (PARTITA)
CE-Identification
Notified body
Identification color: brown – white

Handling: Open the Filter (Remove the cover caps) and screw the Filter firmly into the facepiece connector directly before use. Use the Filter in accordance with the information brochure.

Storage conditions: Ambient temperature. Protect against cold, heat and humidity.
Consider conditions noted on the packaging.

Warning reference: Please consider the information brochure!

User references: EKASTU Safety GmbH guarantees the indicated achievement according to class and type. It is to be noted that the laboratory test values can considerably deviate from those, which are reached in practice. The user must read and understand all functional information. Use the Respiratory protective devices with this information brochure, the relevant valid statutory regulations and the safety requirements of the profession associations, particularly the regulations for use in accordance with DGUV Rule 112-190 resp. DIN EN 529 ‘Respiratory protective devices – recommendation for selection, use, care and maintenance – guidelines’.

Technical Data Sheet DIRIN 230 A2 B2 E2 K2 - P3R D

Order no.: 422 782

Product designation: Multi-type Combined Filter DIRIN 230 A2 B2 E2 K2 - P3R D

Applied standard: DIN EN 14387 (DIN = German Institute for Standardization)

Utilization: In connection with full masks (DIN EN 136) and half masks (DINEN 140) with round thread connection (DIN EN 148-1). Protection against organic gases and vapours with a boiling point > 65°C, inorganic gases and vapours, sulphur dioxide and ammonia, as well as particles of toxic and highly toxic substances.

Description: The filter case is round and consists of filter pot and filter lid. The filter pot contains the round thread connection according to DIN EN 148-1; the filter lid is open to the inhalation side. There is a filter bed with activated charcoal. This is firmly fixed by the filter case and internal screens. The particle filter is positioned with inhalation side in front of the gas filter part. The particle filter consists of one construction unit and has bar folding. A gastight connection between the particle filter and the case is provided. Both filter openings are locked by water-vapour-proof cover caps.

Materials: All used materials are incinerated.

Filter case:	Plastic (ABS)
Sorbents:	impregnated active charcoal
Particle filter:	Microfiberglass, Cellulose fibers, Addition (BIOSTOP)
Cover cap:	Plastic
Banderole:	Paper

Operating principle: By addition to sorbent (Impregnated active charcoal), the gases and vapours will be removed from the ambient air. Particles are filtered through the BIOSTOP microfiberglass filter.

Weight: approx. 292 g

Inhalation resistance: at 30 l/min, constant flow max. 2.6 mbar (according to 14387)
at 95 l/min, constant flow max. 9.8 mbar (according to 14387)

Marking: Trade mark of manufacturer (LOGO)
Product designation
Applied standard
Consider the information brochure
Expiry of shelf-life (MM/YYYY)
Lot-No. (PARTITA)
CE-Identification
Notified body
Identification color: brown – grey – yellow – green – white

Handling: Open the Filter (Remove the cover caps) and screw the Filter firmly into the facepiece connector directly before use. Use the Filter in accordance with the information brochure.

Storage conditions: Ambient temperature. Protect against cold, heat and humidity.
Consider conditions noted on the packaging.

Warning reference: Please consider the information brochure!

User references: EKASTU Safety GmbH guarantees the indicated achievement according to class and type. It is to be noted that the laboratory test values can considerably deviate from those, which are reached in practice. The user must read and understand all functional information. Use the Respiratory protective devices with this information brochure, the relevant valid statutory regulations and the safety requirements of the profession associations, particularly the regulations for use in accordance with DGUV Rule 112-190 resp. DIN EN 529 ‘Respiratory protective devices – recommendation for selection, use, care and maintenance – guidelines’.

Technical Data Sheet DIRIN 230 A2 B2 E2 K2 – HG – P3R D

Order no.: 422 785

Product designation: Multi-type Combined Filter DIRIN 230 A2 B2 E2 K2 – HG – P3R D

Applied standard: DIN EN 14387 (DIN = German Institute for Standardization)

Utilization: In connection with full masks (DIN EN 136) and half masks (DINEN 140) with round thread connection (DIN EN 148-1). Protection against organic gases and vapours with a boiling point > 65°C, inorganic gases and vapours, sulphur dioxide, ammonia and mercury vapours, as well as particles of toxic and highly toxic substances.

Description: The filter case is round and consists of filter pot and filter lid. The filter pot contains the round thread connection according to DIN EN 148-1; the filter lid is open to the inhalation side. There is a filter bed with activated charcoal. This is firmly fixed by the filter case and internal screens. The particle filter is positioned with inhalation side in front of the gas filter part. The particle filter consists of one construction unit and has bar folding. A gastight connection between the particle filter and the case is provided. Both filter openings are locked by water-vapour-proof cover caps.

Materials: All used materials are incinerated.

Filter case:	Plastic (ABS)
Sorbents:	impregnated active charcoal
Particle filter:	Microfiberglass, Cellulose fibers, Addition (BIOSTOP)
Cover cap:	Plastic
Banderole:	Paper

Operating principle: By addition to sorbent (Impregnated active charcoal), the gases and vapours will be removed from the ambient air. Particles are filtered through the BIOSTOP microfiberglass filter.

Weight: approx. 275 g

Inhalation resistance: at 30 l/min, constant flow max. 2.6 mbar (according to 14387)
at 95 l/min, constant flow max. 9.8 mbar (according to 14387)

Marking: Trade mark of manufacturer (LOGO)
Product designation
Applied standard
Consider the information brochure
Expiry of shelf-life (MM/YYYY)
Lot-No. (PARTITA)
CE-Identification
Notified body
Identification color: brown – grey – yellow – green – red – white

Handling: Open the Filter (Remove the cover caps) and screw the Filter firmly into the facepiece connector directly before use. Use the Filter in accordance with the information brochure.

Storage conditions: Ambient temperature. Protect against cold, heat and humidity.
Consider conditions noted on the packaging.

Warning reference: Please consider the information brochure!

User references: EKASTU Safety GmbH guarantees the indicated achievement according to class and type. It is to be noted that the laboratory test values can considerably deviate from those, which are reached in practice. The user must read and understand all functional information. Use the Respiratory protective devices with this information brochure, the relevant valid statutory regulations and the safety requirements of the profession associations, particularly the regulations for use in accordance with DGUV Rule 112-190 resp. DIN EN 529 ‘Respiratory protective devices – recommendation for selection, use, care and maintenance – guidelines’.

Technical Data Sheet DIRIN 230 A2 B2 E2 K2 – HG – P3R D

Order no.: 422 785

Product designation: Multi-type Combined Filter DIRIN 230 A2 B2 E2 K2 – HG – P3R D

Applied standard: DIN EN 14387 (DIN = German Institute for Standardization)

Utilization: In connection with full masks (DIN EN 136) and half masks (DINEN 140) with round thread connection (DIN EN 148-1). Protection against organic gases and vapours with a boiling point > 65°C, inorganic gases and vapours, sulphur dioxide, ammonia and mercury vapours, as well as particles of toxic and highly toxic substances.

Description: The filter case is round and consists of filter pot and filter lid. The filter pot contains the round thread connection according to DIN EN 148-1; the filter lid is open to the inhalation side. There is a filter bed with activated charcoal. This is firmly fixed by the filter case and internal screens. The particle filter is positioned with inhalation side in front of the gas filter part. The particle filter consists of one construction unit and has bar folding. A gastight connection between the particle filter and the case is provided. Both filter openings are locked by water-vapour-proof cover caps.

Materials: All used materials are incinerated.

Filter case:	Plastic (ABS)
Sorbents:	impregnated active charcoal
Particle filter:	Microfiberglass, Cellulose fibers, Addition (BIOSTOP)
Cover cap:	Plastic
Banderole:	Paper

Operating principle: By addition to sorbent (Impregnated active charcoal), the gases and vapours will be removed from the ambient air. Particles are filtered through the BIOSTOP microfiberglass filter.

Weight: approx. 275 g

Inhalation resistance: at 30 l/min, constant flow max. 2.6 mbar (according to 14387)
at 95 l/min, constant flow max. 9.8 mbar (according to 14387)

Marking: Trade mark of manufacturer (LOGO)
Product designation
Applied standard
Consider the information brochure
Expiry of shelf-life (MM/YYYY)
Lot-No. (PARTITA)
CE-Identification
Notified body
Identification color: brown – grey – yellow – green – red – white

Handling: Open the Filter (Remove the cover caps) and screw the Filter firmly into the facepiece connector directly before use. Use the Filter in accordance with the information brochure.

Storage conditions: Ambient temperature. Protect against cold, heat and humidity.
Consider conditions noted on the packaging.

Warning reference: Please consider the information brochure!

User references: EKASTU Safety GmbH guarantees the indicated achievement according to class and type. It is to be noted that the laboratory test values can considerably deviate from those, which are reached in practice. The user must read and understand all functional information. Use the Respiratory protective devices with this information brochure, the relevant valid statutory regulations and the safety requirements of the profession associations, particularly the regulations for use in accordance with DGUV Rule 112-190 resp. DIN EN 529 ‘Respiratory protective devices – recommendation for selection, use, care and maintenance – guidelines’.

Technical Data Sheet 230 A2 B2 E2 K1

Order no.:	422 324
Product designation:	Multi-type Filter 230 A2 B2 E2 K1
Applied standard:	DIN EN 14387 (DIN = German Institute for Standardization)
Utilization:	In connection with half masks Polimask 230, Polimask GAMMA and Polimask GAMMA/Silicone. In connection with filter adapter 230 for full masks (DIN EN 136) and half masks (DIN EN 140) with round thread connection (DIN EN 148-1). Protection against organic gases and vapours with a boiling point > 65°C, inorganic gases and vapours, sulphur dioxide and ammonia.
Description:	The filter case is round and consists of filter pot and filter lid. The filter pot contains the Special thread; the filter lid is open to the inhalation side. The particle filter consists of one construction unit and has bar folding. A gastight connection between the particle filter and the case is provided. The filter is welded in a water-vapour-proof plastic bag.
Materials:	All used materials are incinerated. Filter case: Plastic (ABS) Sorbents: Impregnated active charcoal Banderole: Paper
Operating principle:	By addition to sorbent (Impregnated active charcoal), the gases and vapours will be removed from the ambient air.
Weight:	approx. 200 g
Inhalation resistance:	at 30 l/min, constant flow max. 1.4 mbar (according to 14387) at 95 l/min, constant flow max. 5.6 mbar (according to 14387)
Marking:	Trade mark of manufacturer (LOGO) Product designation Applied standard Consider the information brochure Expiry of shelf-life (MM/YYYY) Lot-No. (PARTITA) CE-Identification Notified body Identification color: brown – grey – yellow – green
Handling:	Open the Filter and screw the Filter firmly into the facepiece connector directly before use. Use the Filter in accordance with the information brochure.
Storage conditions:	Ambient temperature. Protect against cold, heat and humidity. Consider conditions noted on the packaging.
Warning reference:	Please consider the information brochure!
User references:	EKASTU Safety GmbH guarantees the indicated achievement according to class and type. It is to be noted that the laboratory test values can considerably deviate from those, which are reached in practice. The user must read and understand all functional information. Use the Respiratory protective devices with this information brochure, the relevant valid statutory regulations and the safety requirements of the profession associations, particularly the regulations for use in accordance with DGUV Rule 112-190 resp. DIN EN 529 ‘Respiratory protective devices – recommendation for selection, use, care and maintenance – guidelines’.

Technical Data Sheet DIRIN 230 AX - P3R D

Order no.: 422 793

Product designation: Combined Filter DIRIN 230 AX - P3R D

Applied standard: DIN EN 14387 (DIN = German Institute for Standardization)

Utilization: In connection with full masks (DIN EN 136) and half masks (DINEN 140) with round thread connection (DIN EN 148-1). Protection against low-boiling (<65°C) organic gases and vapours, as well as particles of toxic and highly toxic substances.

Description: The filter case is round and consists of filter pot and filter lid. The filter pot contains the round thread connection according to DIN EN 148-1; the filter lid is open to the inhalation side. There is a filter bed with activated charcoal. This is firmly fixed by the filter case and internal screens. The particle filter is positioned with inhalation side in front of the gas filter part. The particle filter consists of one construction unit and has bar folding. A gastight connection between the particle filter and the case is provided. Both filter openings are locked by water-vapour-proof cover caps.

Materials: All used materials are incinerated.

Filter case:	Plastic (ABS)
Sorbents:	impregnated active charcoal
Particle filter:	Microfiberglass, Cellulose fibers, Addition (BIOSTOP)
Cover cap:	Plastic
Banderole:	Paper

Operating principle: By addition to sorbent (Impregnated active charcoal), the gases and vapours will be removed from the ambient air. Particles are filtered through the BIOSTOP microfiberglass filter.

Weight: approx. 220 g

Inhalation resistance: at 30 l/min, constant flow max. 2.6 mbar (according to 14387)
at 95 l/min, constant flow max. 9.8 mbar (according to 14387)

Marking: Trade mark of manufacturer (LOGO)
Product designation
Applied standard
Consider the information brochure
Expiry of shelf-life (MM/YYYY)
Lot-No. (PARTITA)
CE-Identification
Notified body
Identification color: brown – white

Handling: Open the Filter (Remove the cover caps) and screw the Filter firmly into the facepiece connector directly before use. Use the Filter in accordance with the information brochure.

Storage conditions: Ambient temperature. Protect against cold, heat and humidity.
Consider conditions noted on the packaging.

Warning reference: Please consider the information brochure!

User references: EKASTU Safety GmbH guarantees the indicated achievement according to class and type. It is to be noted that the laboratory test values can considerably deviate from those, which are reached in practice. The user must read and understand all functional information. Use the Respiratory protective devices with this information brochure, the relevant valid statutory regulations and the safety requirements of the profession associations, particularly the regulations for use in accordance with DGUV Rule 112-190 resp. DIN EN 529 ‘Respiratory protective devices – recommendation for selection, use, care and maintenance – guidelines’.

Technical Data Sheet DIRIN 230 AX - P3R D

Order no.: 422 793

Product designation: Combined Filter DIRIN 230 AX - P3R D

Applied standard: DIN EN 14387 (DIN = German Institute for Standardization)

Utilization: In connection with full masks (DIN EN 136) and half masks (DINEN 140) with round thread connection (DIN EN 148-1). Protection against low-boiling (<65°C) organic gases and vapours, as well as particles of toxic and highly toxic substances.

Description: The filter case is round and consists of filter pot and filter lid. The filter pot contains the round thread connection according to DIN EN 148-1; the filter lid is open to the inhalation side. There is a filter bed with activated charcoal. This is firmly fixed by the filter case and internal screens. The particle filter is positioned with inhalation side in front of the gas filter part. The particle filter consists of one construction unit and has bar folding. A gastight connection between the particle filter and the case is provided. Both filter openings are locked by water-vapour-proof cover caps.

Materials: All used materials are incinerated.

Filter case:	Plastic (ABS)
Sorbents:	impregnated active charcoal
Particle filter:	Microfiberglass, Cellulose fibers, Addition (BIOSTOP)
Cover cap:	Plastic
Banderole:	Paper

Operating principle: By addition to sorbent (Impregnated active charcoal), the gases and vapours will be removed from the ambient air. Particles are filtered through the BIOSTOP microfiberglass filter.

Weight: approx. 220 g

Inhalation resistance: at 30 l/min, constant flow max. 2.6 mbar (according to 14387)
at 95 l/min, constant flow max. 9.8 mbar (according to 14387)

Marking: Trade mark of manufacturer (LOGO)
Product designation
Applied standard
Consider the information brochure
Expiry of shelf-life (MM/YYYY)
Lot-No. (PARTITA)
CE-Identification
Notified body
Identification color: brown – white

Handling: Open the Filter (Remove the cover caps) and screw the Filter firmly into the facepiece connector directly before use. Use the Filter in accordance with the information brochure.

Storage conditions: Ambient temperature. Protect against cold, heat and humidity.
Consider conditions noted on the packaging.

Warning reference: Please consider the information brochure!

User references: EKASTU Safety GmbH guarantees the indicated achievement according to class and type. It is to be noted that the laboratory test values can considerably deviate from those, which are reached in practice. The user must read and understand all functional information. Use the Respiratory protective devices with this information brochure, the relevant valid statutory regulations and the safety requirements of the profession associations, particularly the regulations for use in accordance with DGUV Rule 112-190 resp. DIN EN 529 ‘Respiratory protective devices – recommendation for selection, use, care and maintenance – guidelines’.

Technical Data Sheet 230 A1 – P3R D

Order no.:	422 326
Product designation:	Combined Filter 230 A1 – P3R D
Applied standard:	DIN EN 14387 (DIN = German Institute for Standardization)
Utilization:	In connection with half masks Polimask 230, Polimask GAMMA and Polimask GAMMA/Silicone. In connection with filter adapter 230 for full masks (DIN EN 136) and half masks (DIN EN 140) with round thread connection (DIN EN 148-1). Protection against organic gases and vapours with a boiling point > 65°C, as well as particles of toxic and highly toxic substances.
Description:	The filter case is round and consists of filter pot and filter lid. The filter pot contains the Special thread; the filter lid is open to the inhalation side. There is a filter bed with activated charcoal. This is firmly fixed by the filter case and internal screens. The particle filter is positioned with inhalation side in front of the gas filter part. The particle filter consists of one construction unit and has bar folding. A gastight connection between the particle filter and the case is provided. The filter is welded in a water-vapour-proof plastic bag.
Materials:	All used materials are incinerated. Filter case: Plastic (ABS) Sorbents: Impregnated active charcoal Particle filter: Microfiberglass, Cellulose fibers, Addition (BIOSTOP) Banderole: Paper
Operating principle:	By addition to sorbent (Impregnated active charcoal), the gases and vapours will be removed from the ambient air. Particles are filtered through the BIOSTOP microfiberglass filter.
Weight:	approx. 129 g
Inhalation resistance:	at 30 l/min, constant flow max. 2.2 mbar (according to 14387) at 95 l/min, constant flow max. 8.2 mbar (according to 14387)
Marking:	Trade mark of manufacturer (LOGO) Product designation Applied standard Consider the information brochure Expiry of shelf-life (MM/YYYY) Lot-No. (PARTITA) CE-Identification Notified body Identification color: brown – white
Handling:	Open the Filter and screw the Filter firmly into the facepiece connector directly before use. Use the Filter in accordance with the information brochure.
Storage conditions:	Ambient temperature. Protect against cold, heat and humidity. Consider conditions noted on the packaging.
Warning reference:	Please consider the information brochure!
User references:	EKASTU Safety GmbH guarantees the indicated achievement according to class and type. It is to be noted that the laboratory test values can considerably deviate from those, which are reached in practice. The user must read and understand all functional information. Use the Respiratory protective devices with this information brochure, the relevant valid statutory regulations and the safety requirements of the profession associations, particularly the regulations for use in accordance with DGUV Rule 112-190 resp. DIN EN 529 ‘Respiratory protective devices – recommendation for selection, use, care and maintenance – guidelines’.

Technical Data Sheet 230 A1 B1 E1 K1 – P3R D

Order no.:	422 348
Product designation:	Multi-type Combined Filter 230 A1 B1 E1 K1 - P3R D
Applied standard:	DIN EN 14387 (DIN = German Institute for Standardization)
Utilization:	In connection with half masks Polimask 230, Polimask GAMMA and Polimask GAMMA/Silicone. In connection with filter adapter 230 for full masks (DIN EN 136) and half masks (DIN EN 140) with round thread connection (DIN EN 148-1). Protection against organic gases and vapours with a boiling point > 65°C, inorganic gases and vapours, sulphur dioxide and ammonia, as well as particles of toxic and highly toxic substances.
Description:	The filter case is round and consists of filter pot and filter lid. The filter pot contains the Special thread; the filter lid is open to the inhalation side. There is a filter bed with activated charcoal. This is firmly fixed by the filter case and internal screens. The particle filter is positioned with inhalation side in front of the gas filter part. The particle filter consists of one construction unit and has bar folding. A gastight connection between the particle filter and the case is provided. The filter is welded in a water-vapour-proof plastic bag.
Materials:	All used materials are incinerated. Filter case: Plastic (ABS) Sorbents: Impregnated active charcoal Particle filter: Microfiberglass, Cellulose fibers, Addition (BIOSTOP) Banderole: Paper
Operating principle:	By addition to sorbent (Impregnated active charcoal), the gases and vapours will be removed from the ambient air. Particles are filtered through the BIOSTOP microfiberglass filter.
Weight:	approx. 178 g
Inhalation resistance:	at 30 l/min, constant flow max. 2.6 mbar (according to 14387) at 95 l/min, constant flow max. 9.8 mbar (according to 14387)
Marking:	Trade mark of manufacturer (LOGO) Product designation Applied standard Consider the information brochure Expiry of shelf-life (MM/YYYY) Lot-No. (PARTITA) CE-Identification Notified body Identification color: brown – grey – yellow – green – white
Handling:	Open the Filter and screw the Filter firmly into the facepiece connector directly before use. Use the Filter in accordance with the information brochure.
Storage conditions:	Ambient temperature. Protect against cold, heat and humidity. Consider conditions noted on the packaging.
Warning reference:	Please consider the information brochure!
User references:	EKASTU Safety GmbH guarantees the indicated achievement according to class and type. It is to be noted that the laboratory test values can considerably deviate from those, which are reached in practice. The user must read and understand all functional information. Use the Respiratory protective devices with this information brochure, the relevant valid statutory regulations and the safety requirements of the profession associations, particularly the regulations for use in accordance with DGUV Rule 112-190 resp. DIN EN 529 ‘Respiratory protective devices – recommendation for selection, use, care and maintenance – guidelines’.

Technical Data Sheet 200 A1

Order no.:	422 391
Product designation:	Gas Filter 200 A1
Applied standard:	DIN EN 14387 (DIN = German Institute for Standardization)
Utilization:	In connection with half masks Polimask 100/2, Polimask BETA, Polimask BETA/Silicone (DINEN 140) and full mask C 607/TWIN (DIN EN 136). Protection against organic gases and vapours with a boiling point > 65°C
Description:	The filter case is round and consists of filter pot and filter lid. The filter pot contains the Special thread; the filter lid is open to the inhalation side. There is a filter bed with activated charcoal. This is firmly fixed by the filter case and internal screens. The filter is welded in a water-vapour-proof plastic bag.
Materials:	All used materials are incinerated. Filter case: Polystyrene Sorbents: Impregnated active charcoal
Operating principle:	By addition to sorbent (Impregnated active charcoal), the gases and vapours will be removed from the ambient air.
Weight:	approx. 61 g
Inhalation resistance:	at 30 l/min, constant flow max. 1.0 mbar (according to 14387) at 95 l/min, constant flow max. 4.0 mbar (according to 14387)
Marking:	Trade mark of manufacturer (LOGO) Product designation Applied standard Consider the information brochure Only for using with double filter Expiry of shelf-life (MM/YYYY) Lot-No. (PARTITA) CE-Identification Notified body Identification color: brown
Handling:	Open the Filter and screw the Filter firmly into the facepiece connector directly before use. Use the Filter in accordance with the information brochure.
Storage conditions:	Ambient temperature. Protect against cold, heat and humidity. Consider conditions noted on the packaging.
Warning reference:	Please consider the information brochure!
User references:	EKASTU Safety GmbH guarantees the indicated achievement according to class and type. It is to be noted that the laboratory test values can considerably deviate from those, which are reached in practice. The user must read and understand all functional information. Use the Respiratory protective devices with this information brochure, the relevant valid statutory regulations and the safety requirements of the profession associations, particularly the regulations for use in accordance with DGUV Rule 112-190 resp. DIN EN 529 ‘Respiratory protective devices – recommendation for selection, use, care and maintenance – guidelines’.

Technical Data Sheet DIRIN 500 A2 B2 E2 K2 – HG – P3R D

Order no.:	322 682
Product designation:	Multi-type Combined Filter DIRIN 500 A2 B2 E2 K2 – HG – P3R D
Applied standard:	DIN EN 14387 (DIN = German Institute for Standardization)
Utilization:	In connection with full masks (DIN EN 136) with round thread connection (DIN EN 148-1). In connection with Filter carrying device S/03016 and half masks (DINEN 140) with round thread connection (DIN EN 148-1). Protection against organic gases and vapours with a boiling point > 65°C, inorganic gases and vapours, sulphur dioxide, ammonia and mercury vapours, as well as particles of toxic and highly toxic substances.
Description:	The filter case is round and consists of filter pot and filter lid. The filter pot contains the round thread connection according to DIN EN 148-1; the filter lid is open to the inhalation side. There is a filter bed with activated charcoal. This is firmly fixed by the filter case and internal screens. The particle filter is positioned with inhalation side in front of the gas filter part. The particle filter consists of one construction unit and has bar folding. A gastight connection between the particle filter and the case is provided. Both filter openings are locked by water-vapour-proof cover caps.
Materials:	Filter pot: Aluminium, inside coated Filter lid: ABS, self-extinguishing Sorbents: impregnated active charcoal Particle filter: Microfiberglass, Cellulose fibers, Addition (BIOSTOP) Cover cap: Plastic Banderole: Paper
Operating principle:	By addition to sorbent (Impregnated active charcoal), the gases and vapours will be removed from the ambient air. Particles are filtered through the BIOSTOP microfiberglass filter.
Weight:	approx. 398 g
Inhalation resistance:	at 30 l/min, constant flow max. 2.6 mbar (according to 14387) at 95 l/min, constant flow max. 9.8 mbar (according to 14387)
Marking:	Trade mark of manufacturer (LOGO) Product designation Applied standard Consider the information brochure Expiry of shelf-life (MM/YYYY) Lot-No. (PARTITA) CE-Identification Notified body Identification color: brown – grey – yellow – green – red – white
Handling:	Open the Filter (Remove the cover caps) and screw the Filter firmly into the facepiece connector directly before use. Use the Filter in accordance with the information brochure.
Storage conditions:	Ambient temperature. Protect against cold, heat and humidity. Consider conditions noted on the packaging.
Warning reference:	Please consider the information brochure!
User references:	EKASTU Safety GmbH guarantees the indicated achievement according to class and type. It is to be noted that the laboratory test values can considerably deviate from those, which are reached in practice. The user must read and understand all functional information. Use the Respiratory protective devices with this information brochure, the relevant valid statutory regulations and the safety requirements of the profession associations, particularly the regulations for use in accordance with DGUV Rule 112-190 resp. DIN EN 529 ‘Respiratory protective devices – recommendation for selection, use, care and maintenance – guidelines’.

Technical Data Sheet 230 A2 B2 – P3R D

Order no.:	422 345
Product designation:	Combined Filter 230 A2 B2 – P3R D
Applied standard:	DIN EN 14387 (DIN = German Institute for Standardization)
Utilization:	In connection with half masks Polimask 230, Polimask GAMMA and Polimask GAMMA/Silicone. In connection with filter adapter 230 for full masks (DIN EN 136) and half masks (DIN EN 140) with round thread connection (DIN EN 148-1). Protection against organic gases and vapours with a boiling point > 65°C and inorganic gases and vapours, as well as particles of toxic and highly toxic substances.
Description:	The filter case is round and consists of filter pot and filter lid. The filter pot contains the Special thread; the filter lid is open to the inhalation side. There is a filter bed with activated charcoal. This is firmly fixed by the filter case and internal screens. The particle filter is positioned with inhalation side in front of the gas filter part. The particle filter consists of one construction unit and has bar folding. A gastight connection between the particle filter and the case is provided. The filter is welded in a water-vapour-proof plastic bag.
Materials:	All used materials are incinerated. Filter case: Plastic (ABS) Sorbents: Impregnated active charcoal Particle filter: Microfiberglass, Cellulose fibers, Addition (BIOSTOP) Banderole: Paper
Operating principle:	By addition to sorbent (Impregnated active charcoal), the gases and vapours will be removed from the ambient air. Particles are filtered through the BIOSTOP microfiberglass filter.
Weight:	approx. 228 g
Inhalation resistance:	at 30 l/min, constant flow max. 2.6 mbar (according to 14387) at 95 l/min, constant flow max. 9.8 mbar (according to 14387)
Marking:	Trade mark of manufacturer (LOGO) Product designation Applied standard Consider the information brochure Expiry of shelf-life (MM/YYYY) Lot-No. (PARTITA) CE-Identification Notified body Identification color: brown – grey – white
Handling:	Open the Filter and screw the Filter firmly into the facepiece connector directly before use. Use the Filter in accordance with the information brochure.
Storage conditions:	Ambient temperature. Protect against cold, heat and humidity. Consider conditions noted on the packaging.
Warning reference:	Please consider the information brochure!
User references:	EKASTU Safety GmbH guarantees the indicated achievement according to class and type. It is to be noted that the laboratory test values can considerably deviate from those, which are reached in practice. The user must read and understand all functional information. Use the Respiratory protective devices with this information brochure, the relevant valid statutory regulations and the safety requirements of the profession associations, particularly the regulations for use in accordance with DGUV Rule 112-190 resp. DIN EN 529 ‘Respiratory protective devices – recommendation for selection, use, care and maintenance – guidelines’.

Technical Data Sheet DIRIN 500 A2 B2 – P3R D NBC

Order no.: 422 609

Product designation: Multi-type Combined Filter DIRIN 500 A2 B2 – P3R D NBC

Applied standard: DIN EN 14387 (DIN = German Institute for Standardization) additional tested as NBC and civil defence filter from recognized testing institutes.

Utilization: In connection with full masks (DIN EN 136) with round thread connection (DIN EN 148-1). Protection against organic gases and vapours with a boiling point > 65°C, inorganic gases and vapours, as well as particles of toxic and highly toxic substances.

Description: The filter case is round and consists of filter pot and filter lid. The filter pot contains the round thread connection according to DIN EN 148-1; the filter lid is open to the inhalation side. There is a filter bed with activated charcoal. This is firmly fixed by the filter case and internal screens. The particle filter is positioned with inhalation side in front of the gas filter part. The particle filter consists of one construction unit and has bar folding. A gastight connection between the particle filter and the case is provided. Both filter openings are locked by water-vapour-proof cover caps.

Materials:

Filter pot:	Aluminium, inside coated
Filter lid:	PP, self-extinguishing
Sorbents:	impregnated active charcoal
Particle filter:	Microfiberglass, Cellulose fibers, Addition (BIOSTOP)
Cover cap:	Plastic
Banderole:	Paper

Operating principle: By addition to sorbent (Impregnated active charcoal), the gases and vapours will be removed from the ambient air. Particles are filtered through the BIOSTOP microfiberglass filter.

Weight: approx. 350 g

Inhalation resistance: at 30 l/min, constant flow max. 2.6 mbar (according to 14387)
at 95 l/min, constant flow max. 9.8 mbar (according to 14387)

Marking:
Trade mark of manufacturer (LOGO)
Product designation
Applied standard
Consider the information brochure
Expiry of shelf-life (MM/YYYY)
Lot-No. (PARTITA)
CE-Identification
Notified body
Identification color: blue – white

Handling: Open the Filter (Remove the cover caps) and screw the Filter firmly into the facepiece connector directly before use. Use the Filter in accordance with the information brochure.

Storage conditions: Ambient temperature. Protect against cold, heat and humidity.
Consider conditions noted on the packaging.

Warning reference: Please consider the information brochure!

User references: EKASTU Safety GmbH guarantees the indicated achievement according to class and type. It is to be noted that the laboratory test values can considerably deviate from those, which are reached in practice. The user must read and understand all functional information. Use the Respiratory protective devices with this information brochure, the relevant valid statutory regulations and the safety requirements of the profession associations, particularly the regulations for use in accordance with DGUV Rule 112-190 resp. DIN EN 529 ‘Respiratory protective devices – recommendation for selection, use, care and maintenance – guidelines’.

Technical Data Sheet DIRIN 230 NBC A2B2E2K2Hg-P3 R

Order no.: 422 795

Product designation: Multi-type Combined Filter DIRIN 230 NBC A2B2E2K2Hg-P3 R

Applied standard: DIN EN 14387 (DIN = German Institute for Standardization) additional tested as NBC and civil defence filter from recognized testing institutes.

Utilization: In connection with full masks (DIN EN 136) and half masks (DIN EN 140) with round thread connection (DIN EN 148-1). Protection against organic gases and vapours with a boiling point > 65°C, inorganic gases and vapours, sulphur dioxide, ammonia and mercury vapours, as well as particles of toxic and highly toxic substances.

Description: The filter case is round and consists of filter pot and filter lid. The filter pot contains the round thread connection according to DIN EN 148-1; the filter lid is open to the inhalation side. There is a filter bed with activated charcoal. This is firmly fixed by the filter case and internal screens. The particle filter is positioned with inhalation side in front of the gas filter part. The particle filter consists of one construction unit and has bar folding. A gastight connection between the particle filter and the case is provided. Both filter openings are locked by water-vapour-proof cover caps.

Materials: All used materials are incinerated.

Filter case:	Plastic (ABS)
Sorbents:	impregnated active charcoal
Particle filter:	Microfiberglass, Cellulose fibers, Addition (BIOSTOP)
Cover cap:	Plastic
Banderole:	Paper

Operating principle: By addition to sorbent (Impregnated active charcoal), the gases and vapours will be removed from the ambient air. Particles are filtered through the BIOSTOP microfiberglass filter.

Weight: approx. 275 g

Inhalation resistance: at 30 l/min, constant flow max. 2.6 mbar (according to 14387)
at 95 l/min, constant flow max. 9.8 mbar (according to 14387)

Marking: Trade mark of manufacturer (LOGO)
Product designation
Applied standard
Consider the information brochure
Expiry of shelf-life (MM/YYYY)
Lot-No. (PARTITA)
CE-Identification
Notified body
Identification color: brown – grey – yellow – green – red – white

Handling: Open the Filter (Remove the cover caps) and screw the Filter firmly into the facepiece connector directly before use. Use the Filter in accordance with the information brochure.

Storage conditions: Ambient temperature. Protect against cold, heat and humidity.
Consider conditions noted on the packaging.

Warning reference: Please consider the information brochure!

User references: EKASTU Safety GmbH guarantees the indicated achievement according to class and type. It is to be noted that the laboratory test values can considerably deviate from those, which are reached in practice. The user must read and understand all functional information. Use the Respiratory protective devices with this information brochure, the relevant valid statutory regulations and the safety requirements of the profession associations, particularly the regulations for use in accordance with DGUV Rule 112-190 resp. DIN EN 529 ‘Respiratory protective devices – recommendation for selection, use, care and maintenance – guidelines’.

Technical Data Sheet 200 A2

Order no.:	422 393
Product designation:	Gas Filter 200 A2
Applied standard:	DIN EN 14387 (DIN = German Institute for Standardization)
Utilization:	In connection with half masks Polimask 100/2, Polimask BETA, Polimask BETA/Silicone (DINEN 140) and full mask C 607/TWIN (DIN EN 136). Protection against organic gases and vapours with a boiling point > 65°C.
Description:	The filter case is round and consists of filter pot and filter lid. The filter pot contains the Special thread; the filter lid is open to the inhalation side. There is a filter bed with activated charcoal. This is firmly fixed by the filter case and internal screens. The filter is welded in a water-vapour-proof plastic bag.
Materials:	All used materials are incinerated. Filter case: Polystyrene Sorbents: Impregnated active charcoal
Operating principle:	By addition to sorbent (Impregnated active charcoal), the gases and vapours will be removed from the ambient air.
Weight:	approx. 63 g
Inhalation resistance:	at 30 l/min, constant flow max. 1.0 mbar (according to 14387) at 95 l/min, constant flow max. 4.0 mbar (according to 14387)
Marking:	Trade mark of manufacturer (LOGO) Product designation Applied standard Consider the information brochure Only for using with double filter Expiry of shelf-life (MM/YYYY) Lot-No. (PARTITA) CE-Identification Notified body Identification color: brown
Handling:	Open the Filter and screw the Filter firmly into the facepiece connector directly before use. Use the Filter in accordance with the information brochure.
Storage conditions:	Ambient temperature. Protect against cold, heat and humidity. Consider conditions noted on the packaging.
Warning reference:	Please consider the information brochure!
User references:	EKASTU Safety GmbH guarantees the indicated achievement according to class and type. It is to be noted that the laboratory test values can considerably deviate from those, which are reached in practice. The user must read and understand all functional information. Use the Respiratory protective devices with this information brochure, the relevant valid statutory regulations and the safety requirements of the profession associations, particularly the regulations for use in accordance with DGUV Rule 112-190 resp. DIN EN 529 ‘Respiratory protective devices – recommendation for selection, use, care and maintenance – guidelines’.

Technical Data Sheet 230 A2 B2 E2 K1 – P3R D

Order no.:	422 346
Product designation:	Multi-type Combined Filter 230 A2 B2 E2 K1 - P3R D
Applied standard:	DIN EN 14387 (DIN = German Institute for Standardization)
Utilization:	In connection with half masks Polimask 230, Polimask GAMMA and Polimask GAMMA/Silicone. In connection with filter adapter 230 for full masks (DIN EN 136) and half masks (DIN EN 140) with round thread connection (DIN EN 148-1). Protection against organic gases and vapours with a boiling point > 65°C, inorganic gases and vapours, sulphur dioxide and ammonia, as well as particles of toxic and highly toxic substances.
Description:	The filter case is round and consists of filter pot and filter lid. The filter pot contains the Special thread; the filter lid is open to the inhalation side. There is a filter bed with activated charcoal. This is firmly fixed by the filter case and internal screens. The particle filter is positioned with inhalation side in front of the gas filter part. The particle filter consists of one construction unit and has bar folding. A gastight connection between the particle filter and the case is provided. The filter is welded in a water-vapour-proof plastic bag.
Materials:	All used materials are incinerated. Filter case: Plastic (ABS) Sorbents: Impregnated active charcoal Particle filter: Microfiberglass, Cellulose fibers, Addition (BIOSTOP) Banderole: Paper
Operating principle:	By addition to sorbent (Impregnated active charcoal), the gases and vapours will be removed from the ambient air. Particles are filtered through the BIOSTOP microfiberglass filter.
Weight:	approx. 258 g
Inhalation resistance:	at 30 l/min, constant flow max. 2.6 mbar (according to 14387) at 95 l/min, constant flow max. 9.8 mbar (according to 14387)
Marking:	Trade mark of manufacturer (LOGO) Product designation Applied standard Consider the information brochure Expiry of shelf-life (MM/YYYY) Lot-No. (PARTITA) CE-Identification Notified body Identification color: brown – grey – yellow – green – white
Handling:	Open the Filter and screw the Filter firmly into the facepiece connector directly before use. Use the Filter in accordance with the information brochure.
Storage conditions:	Ambient temperature. Protect against cold, heat and humidity. Consider conditions noted on the packaging.
Warning reference:	Please consider the information brochure!
User references:	EKASTU Safety GmbH guarantees the indicated achievement according to class and type. It is to be noted that the laboratory test values can considerably deviate from those, which are reached in practice. The user must read and understand all functional information. Use the Respiratory protective devices with this information brochure, the relevant valid statutory regulations and the safety requirements of the profession associations, particularly the regulations for use in accordance with DGUV Rule 112-190 resp. DIN EN 529 ‘Respiratory protective devices – recommendation for selection, use, care and maintenance – guidelines’.

Technical Data Sheet 200 A1 – P3R D

Order no.:	422 397
Product designation:	Combined Filter 200 A1 – P3R D
Applied standard:	DIN EN 14387 (DIN = German Institute for Standardization)
Utilization:	In connection with half masks Polimask 100/2, Polimask BETA, Polimask BETA/Silicone (DINEN 140) and full mask C 607/TWIN (DIN EN 136). Protection against organic gases and vapours with a boiling point > 65°C, as well as particles of toxic and highly toxic substances.
Description:	The filter case is round and consists of filter pot and filter lid. The filter pot contains the Special thread, the filter lid is open to the inhalation side. There is a filter bed with activated charcoal. This is firmly fixed by the filter case and internal screens. The particle filter is positioned with inhalation side in front of the gas filter part. The particle filter consists of one construction unit and has bar folding. A gastight connection between the particle filter and the case is provided. The filter is welded in a water-vapour-proof plastic bag.
Materials:	All used materials are incinerated. Filter case: Polystyrene Sorbents: Impregnated active charcoal Particle filter: Microfiberglass, Cellulose fibers, Addition (BIOSTOP) Banderole: Paper
Operating principle:	By addition to sorbent (Impregnated active charcoal), the gases and vapours will be removed from the ambient air. Particles are filtered through the BIOSTOP microfiberglass filter.
Weight:	approx. 61 g
Inhalation resistance:	at 30 l/min, constant flow max. 2.2 mbar (according to 14387) at 95 l/min, constant flow max. 8.2 mbar (according to 14387)
Marking:	Trade mark of manufacturer (LOGO) Product designation Applied standard Consider the information brochure Only for using with double filter Expiry of shelf-life (MM/YYYY) Lot-No. (PARTITA) CE-Identification Notified body Identification color: brown – white
Handling:	Open the Filter and screw the Filter firmly into the facepiece connector directly before use. Use the Filter in accordance with the information brochure.
Storage conditions:	Ambient temperature. Protect against cold, heat and humidity. Consider conditions noted on the packaging.
Warning reference:	Please consider the information brochure!
User references:	EKASTU Safety GmbH guarantees the indicated achievement according to class and type. It is to be noted that the laboratory test values can considerably deviate from those, which are reached in practice. The user must read and understand all functional information. Use the Respiratory protective devices with this information brochure, the relevant valid statutory regulations and the safety requirements of the profession associations, particularly the regulations for use in accordance with DGUV Rule 112-190 resp. DIN EN 529 ‘Respiratory protective devices – recommendation for selection, use, care and maintenance – guidelines’.

Technical Data Sheet 200 A2 – P3R D

Order no.:	422 394
Product designation:	Combined Filter 200 A2 – P3R D
Applied standard:	DIN EN 14387 (DIN = German Institute for Standardization)
Utilization:	In connection with half masks Polimask 100/2, Polimask BETA, Polimask BETA/Silicone (DINEN 140) and full mask C 607/TWIN (DIN EN 136). Protection against organic gases and vapours with a boiling point > 65°C, as well as particles of toxic and highly toxic substances.
Description:	The filter case is round and consists of filter pot and filter lid. The filter pot contains the Special thread, the filter lid is open to the inhalation side. There is a filter bed with activated charcoal. This is firmly fixed by the filter case and internal screens. The particle filter is positioned with inhalation side in front of the gas filter part. The particle filter consists of one construction unit and has bar folding. A gastight connection between the particle filter and the case is provided. The filter is welded in a water-vapour-proof plastic bag.
Materials:	All used materials are incinerated. Filter case: Polystyrene Sorbents: Impregnated active charcoal Particle filter: Microfiberglass, Cellulose fibers, Addition (BIOSTOP) Banderole: Paper
Operating principle:	By addition to sorbent (Impregnated active charcoal), the gases and vapours will be removed from the ambient air. Particles are filtered through the BIOSTOP microfiberglass filter.
Weight:	approx. 98 g
Inhalation resistance:	at 30 l/min, constant flow max. 2.2 mbar (according to 14387) at 95 l/min, constant flow max. 8.2 mbar (according to 14387)
Marking:	Trade mark of manufacturer (LOGO) Product designation Applied standard Consider the information brochure Only for using with double filter Expiry of shelf-life (MM/YYYY) Lot-No. (PARTITA) CE-Identification Notified body Identification color: brown – white
Handling:	Open the Filter and screw the Filter firmly into the facepiece connector directly before use. Use the Filter in accordance with the information brochure.
Storage conditions:	Ambient temperature. Protect against cold, heat and humidity. Consider conditions noted on the packaging.
Warning reference:	Please consider the information brochure!
User references:	EKASTU Safety GmbH guarantees the indicated achievement according to class and type. It is to be noted that the laboratory test values can considerably deviate from those, which are reached in practice. The user must read and understand all functional information. Use the Respiratory protective devices with this information brochure, the relevant valid statutory regulations and the safety requirements of the profession associations, particularly the regulations for use in accordance with DGUV Rule 112-190 resp. DIN EN 529 ‘Respiratory protective devices – recommendation for selection, use, care and maintenance – guidelines’.

Technical Data Sheet 200 P3R D

Order no.:	422 395
Product designation:	Particle Filter 200 P3R D
Applied standard:	DIN EN 143 (DIN = German Institute for Standardization)
Utilization:	In connection with half masks Polimask 100/2, Polimask BETA, Polimask BETA/Silicone (DINEN 140) and full mask C 607/TWIN (DIN EN 136). Protection against particles of toxic and highly toxic substances.
Description:	The filter case is round and consists of filter pot and filter lid. The filter pot contains the Special thread; the filter lid is open to the inhalation side. The particle filter consists of one construction unit and has bar folding. A gastight connection between the particle filter and the case is provided.
Materials:	All used materials are incinerated. Filter case: Polystyrene Particle filter: Microfiberglass, Cellulose fibers, Addition (BIOSTOP)
Operating principle:	Particles are filtered through the BIOSTOP microfiberglass filter.
Weight:	approx. 34 g
Inhalation resistance:	at 30 l/min, constant flow max. 1.2 mbar (according to 143) at 95 l/min, constant flow max. 4.2 mbar (according to 143)
Marking:	Trade mark of manufacturer (LOGO) Product designation Applied standard Consider the information brochure Only for using with double filter Expiry of shelf-life (MM/YYYY) Lot-No. (PARTITA) CE-Identification Notified body Identification color: white
Handling:	Open the Filter and screw the Filter firmly into the facepiece connector directly before use. Use the Filter in accordance with the information brochure.
Storage conditions:	Ambient temperature. Protect against cold, heat and humidity. Consider conditions noted on the packaging.
Warning reference:	Please consider the information brochure!
User references:	EKASTU Safety GmbH guarantees the indicated achievement according to class and type. It is to be noted that the laboratory test values can considerably deviate from those, which are reached in practice. The user must read and understand all functional information. Use the Respiratory protective devices with this information brochure, the relevant valid statutory regulations and the safety requirements of the profession associations, particularly the regulations for use in accordance with DGUV Rule 112-190 resp. DIN EN 529 ‘Respiratory protective devices – recommendation for selection, use, care and maintenance – guidelines’.

Technical Data Sheet NO – P3R D

Order no.:	422 601
Product designation:	Special Filter NO – P3R D
Applied standard:	DIN EN 14387 (DIN = German Institute for Standardization)
Utilization:	In connection with full masks (DIN EN 136) with round thread connection (DIN EN 148-1). Protection against oxides of nitrogen, as well as particles of toxic and highly toxic substances.
Description:	The filter case is round and consists of filter pot and filter lid. The filter pot contains the round thread connection according to DIN EN 148-1; the filter lid is open to the inhalation side. There is a filter bed with activated charcoal. This is firmly fixed by the filter case and internal screens. The particle filter is positioned with inhalation side in front of the gas filter part. The particle filter consists of one construction unit and has bar folding. A gastight connection between the particle filter and the case is provided. Both filter openings are locked by water-vapour-proof cover caps.
Materials:	Filter pot: Aluminium, inside coated Filter lid: PP, self-extinguishing Sorbents: impregnated active charcoal Particle filter: Microfiberglass, Cellulose fibers, Addition (BIOSTOP) Cover cap: Plastic Banderole: Paper
Operating principle:	By addition to sorbent (Impregnated active charcoal), the gases and vapours will be removed from the ambient air. Particles are filtered through the BIOSTOP microfiberglass filter.
Weight:	approx. 380 g
Inhalation resistance:	at 30 l/min, constant flow max. 2.6 mbar (according to 14387) at 95 l/min, constant flow max. 9.8 mbar (according to 14387)
Marking:	Trade mark of manufacturer (LOGO) Product designation Applied standard Consider the information brochure Expiry of shelf-life (MM/YYYY) Lot-No. (PARTITA) CE-Identification Notified body Identification color: blue – white
Handling:	Open the Filter (Remove the cover caps) and screw the Filter firmly into the facepiece connector directly before use. Use the Filter in accordance with the information brochure.
Storage conditions:	Ambient temperature. Protect against cold, heat and humidity. Consider conditions noted on the packaging.
Warning reference:	Please consider the information brochure!
User references:	EKASTU Safety GmbH guarantees the indicated achievement according to class and type. It is to be noted that the laboratory test values can considerably deviate from those, which are reached in practice. The user must read and understand all functional information. Use the Respiratory protective devices with this information brochure, the relevant valid statutory regulations and the safety requirements of the profession associations, particularly the regulations for use in accordance with DGUV Rule 112-190 resp. DIN EN 529 ‘Respiratory protective devices – recommendation for selection, use, care and maintenance – guidelines’.

Technical Data Sheet 200 A1 B1 E1 K1 – P3R D

Order no.:	422 399
Product designation:	Multi-type Combined Filter 200 A1 B1 E1 K1 – P3R D
Applied standard:	DIN EN 14387 (DIN = German Institute for Standardization)
Utilization:	In connection with half masks Polimask 100/2, Polimask BETA, Polimask BETA/Silicone (DINEN 140) and full mask C 607/TWIN (DIN EN 136). Protection against organic gases and vapours with a boiling point > 65°C, inorganic gases and vapours, sulphur dioxide and ammonia, as well as particles of toxic and highly toxic substances.
Description:	The filter case is round and consists of filter pot and filter lid. The filter pot contains the Special thread, the filter lid is open to the inhalation side. There is a filter bed with activated charcoal. This is firmly fixed by the filter case and internal screens. The particle filter is positioned with inhalation side in front of the gas filter part. The particle filter consists of one construction unit and has bar folding. A gastight connection between the particle filter and the case is provided. The filter is welded in a water-vapour-proof plastic bag.
Materials:	All used materials are incinerated. Filter case: Polystyrene Sorbents: Impregnated active charcoal Particle filter: Microfiberglass, Cellulose fibers, Addition (BIOSTOP) Banderole: Paper
Operating principle:	By addition to sorbent (Impregnated active charcoal), the gases and vapours will be removed from the ambient air. Particles are filtered through the BIOSTOP microfiberglass filter.
Weight:	approx. 118 g
Inhalation resistance:	at 30 l/min, constant flow max. 2.2 mbar (according to 14387) at 95 l/min, constant flow max. 8.2 mbar (according to 14387)
Marking:	Trade mark of manufacturer (LOGO) Product designation Applied standard Consider the information brochure Only for using with double filter Expiry of shelf-life (MM/YYYY) Lot-No. (PARTITA) CE-Identification Notified body Identification color: brown – grey – yellow – green – white
Handling:	Open the Filter and screw the Filter firmly into the facepiece connector directly before use. Use the Filter in accordance with the information brochure.
Storage conditions:	Ambient temperature. Protect against cold, heat and humidity. Consider conditions noted on the packaging.
Warning reference:	Please consider the information brochure!
User references:	EKASTU Safety GmbH guarantees the indicated achievement according to class and type. It is to be noted that the laboratory test values can considerably deviate from those, which are reached in practice. The user must read and understand all functional information. Use the Respiratory protective devices with this information brochure, the relevant valid statutory regulations and the safety requirements of the profession associations, particularly the regulations for use in accordance with DGUV Rule 112-190 resp. DIN EN 529 ‘Respiratory protective devices – recommendation for selection, use, care and maintenance – guidelines’.

Technical Data Sheet 200 A1 B1 E1 K1

Order no.:	422 398
Product designation:	Multi-type Filter 200 A1 B1 E1 K1
Applied standard:	DIN EN 14387 (DIN = German Institute for Standardization)
Utilization:	In connection with half masks Polimask 100/2, Polimask BETA, Polimask BETA/Silicone (DINEN 140) and full mask C 607/TWIN (DIN EN 136). Protection against organic gases and vapours with a boiling point > 65°C, inorganic gases and vapours, sulphur dioxide and ammonia.
Description:	The filter case is round and consists of filter pot and filter lid. The filter pot contains the Special thread; the filter lid is open to the inhalation side. There is a filter bed with activated charcoal. This is firmly fixed by the filter case and internal screens. The filter is welded in a water-vapour-proof plastic bag.
Materials:	All used materials are incinerated. Filter case: Polystyrene Sorbents: Impregnated active charcoal
Operating principle:	By addition to sorbent (Impregnated active charcoal), the gases and vapours will be removed from the ambient air.
Weight:	approx. 77 g
Inhalation resistance:	at 30 l/min, constant flow max. 1.0 mbar (according to 14387) at 95 l/min, constant flow max. 4.0 mbar (according to 14387)
Marking:	Trade mark of manufacturer (LOGO) Product designation Applied standard Consider the information brochure Only for using with double filter Expiry of shelf-life (MM/YYYY) Lot-No. (PARTITA) CE-Identification Notified body Identification color: brown – grey – yellow – green
Handling:	Open the Filter and screw the Filter firmly into the facepiece connector directly before use. Use the Filter in accordance with the information brochure.
Storage conditions:	Ambient temperature. Protect against cold, heat and humidity. Consider conditions noted on the packaging.
Warning reference:	Please consider the information brochure!
User references:	EKASTU Safety GmbH guarantees the indicated achievement according to class and type. It is to be noted that the laboratory test values can considerably deviate from those, which are reached in practice. The user must read and understand all functional information. Use the Respiratory protective devices with this information brochure, the relevant valid statutory regulations and the safety requirements of the profession associations, particularly the regulations for use in accordance with DGUV Rule 112-190 resp. DIN EN 529 ‘Respiratory protective devices – recommendation for selection, use, care and maintenance – guidelines’.

Technical Data Sheet Reactor – P3R D

Order no.:	422 608
Product designation:	Special Filter Reactor - P3R D
Applied standard:	DIN 58621 (DIN = German Institute for Standardization)
Utilization:	In connection with full masks (DIN EN 136) with round thread connection (DIN EN 148-1). Protection against radioactive iodine and iodine methane, as well as particles of toxic and highly toxic substances
Description:	The filter case is round and consists of filter pot and filter lid. The filter pot contains the round thread connection according to DIN EN 148-1; the filter lid is open to the inhalation side. There is a filter bed with activated charcoal. This is firmly fixed by the filter case and internal screens. The particle filter is positioned with inhalation side in front of the gas filter part. The particle filter consists of one construction unit and has bar folding. A gastight connection between the particle filter and the case is provided. Both filter openings are locked by water-vapour-proof cover caps.
Materials:	Filter case: Aluminium, inside coated Sorbents: impregnated active charcoal Particle filter: Microfiberglass, Cellulose fibers, Addition (BIOSTOP) Cover cap: Plastic Banderole: Paper
Operating principle:	By addition to sorbent (Impregnated active charcoal), the gases and vapours will be removed from the ambient air. Particles are filtered through the BIOSTOP microfiberglass filter.
Weight:	approx. 390 g
Inhalation resistance:	at 30 l/min, constant flow max. 2.6 mbar (according to DIN 58621) at 95 l/min, constant flow max. 9.8 mbar (according to DIN 58621)
Marking:	Trade mark of manufacturer (LOGO) Product designation Applied standard Consider the information brochure Expiry of shelf-life (MM/YYYY) Lot-No. (PARTITA) CE-Identification Notified body Identification color: orange – white
Handling:	Open the Filter (Remove the cover caps) and screw the Filter firmly into the facepiece connector directly before use. Use the Filter in accordance with the information brochure.
Storage conditions:	Ambient temperature. Protect against cold, heat and humidity. Consider conditions noted on the packaging.
Warning reference:	Please consider the information brochure!
User references:	EKASTU Safety GmbH guarantees the indicated achievement according to class and type. It is to be noted that the laboratory test values can considerably deviate from those, which are reached in practice. The user must read and understand all functional information. Use the Respiratory protective devices with this information brochure, the relevant valid statutory regulations and the safety requirements of the profession associations, particularly the regulations for use in accordance with DGUV Rule 112-190 resp. DIN EN 529 ‘Respiratory protective devices – recommendation for selection, use, care and maintenance – guidelines’.

Technical Data Sheet DIRIN 530 A2B2E2K2HgNO20CO – P3R

Order no.:	322 888
Product designation:	Multi-type Combined Filter DIRIN 530 A2 B2 E2 K2 HG NO 20CO – P3R
Applied standard:	DIN EN 14387 / DIN 58620 (DIN = German Institute for Standardization)
Utilization:	In connection with full masks (DIN EN 136) with round thread connection (DIN EN 148-1). In connection with Filter carrying device S/03016 and half masks (DINEN 140) with round thread connection (DIN EN 148-1). Protection against organic gases and vapours with a boiling point > 65°C, inorganic gases and vapours, sulphur dioxide, ammonia, mercury vapours, oxides of nitrogen, carbon monoxide, as well as particles of toxic and highly toxic substances.
Operating time:	use filter one time only and for maximum 20 minutes against CO.
Description:	The filter case is round and consists of filter pot and filter lid. The filter pot contains the round thread connection according to DIN EN 148-1; the filter lid is open to the inhalation side. There is a filter bed with activated charcoal and hopcalite. This is firmly fixed by the filter case and internal screens. The particle filter is positioned with inhalation side in front of the gas filter part. The particle filter consists of one construction unit and has bar folding. A gastight connection between the particle filter and the case is provided. Both filter openings are locked by water-vapour-proof cover caps.
Materials:	Filter pot: Aluminium, inside coated Filter lid: ABS, self-extinguishing Sorbents: impregnated active charcoal Chemical catalyst: Hopcalite Particle filter: Microfiberglass, Cellulose fibers, Addition (BIOSTOP) Cover cap: Plastic Banderole: Paper
Operating principle:	the gases and vapours will be removed from the ambient air by addition to sorbent (Impregnated active charcoal) and CO will be removed from the ambient air by impregnated active charcoal in combination with hopcalite. Particles are filtered through the BIOSTOP microfiberglass filter.
Weight:	approx. 428 g
Inhalation resistance:	at 30 l/min, constant flow max. 2.6 mbar (according to EN 14387) at 95 l/min, constant flow max. 9.8 mbar (according to EN 14387)
Marking:	Trade mark of manufacturer (LOGO) Product designation Applied standard Consider the information brochure Limitation of use Expiry of shelf-life (MM/YYYY) Lot-No. (PARTITA) CE-Identification Notified body Identification color: brown – grey – yellow – green – red – blue – black – white
Handling:	Open the aluminium foil bag afterwards open the filter (remove the cover caps) and screw filter firmly into the face piece connector directly before use. Use the Filter in accordance with the information brochure.
Storage conditions:	Ambient temperature. Protect against cold, heat and humidity. Consider conditions noted on the packaging.
Warning reference:	Please consider the information brochure!
User references:	EKASTU Safety GmbH guarantees the indicated achievement according to class and type. It is to be noted that the laboratory test values can considerably deviate from those, which are reached in practice. The user must read and understand all functional information. Use the Respiratory protective devices with this information brochure, the relevant valid statutory regulations and the safety requirements of the profession associations, particularly the regulations for use in accordance with DGUV Rule 112-190 resp. DIN EN 529 ‘Respiratory protective devices – recommendation for selection, use, care and maintenance – guidelines’.

Technical Data Sheet DIRIN 500 60CO – P3R D

Order no.:	422 603
Product designation:	Special Filter DIRIN 500 60CO – P3R D
Applied standard:	DIN 58620 (DIN = German Institute for Standardization)
Utilization:	In connection with full face masks (DIN EN 136) with round thread connection (DIN EN 148-1). Protection against carbon monoxide, as well as particles of toxic and highly toxic substances.
Operating time:	use filter one time only and for maximum 60 minutes.
Description:	The filter case is round and consists of filter pot and filter lid. The filter pot contains the round thread connection according to DIN EN 148-1; the filter lid is open to the inhalation side. There is a filter bed with hopcalite. This is firmly fixed by the filter case and internal screen. The particle filter is positioned with inhalation side in front of the filter beds. The particle filter consists of one construction unit and has bar folding. A gastight connection between the particle filter and the case is provided. Both filter openings are locked by water-vapour-proof cover caps.
Materials:	Filter pot: Aluminium, inside coated Filter lid: PP, self-extinguishing Sorbents: Hopcalite Particle filter: Microfiberglass, Cellulose fibers, Addition (BIOSTOP) Cover cap: Plastic Banderole: Paper
Operating principle:	CO is removed from the ambient air by hopcalite. Particles are filtered through the BIOSTOP microfiberglass filter.
Weight:	approx. 479 g
Inhalation resistance:	at 30 l/min, constant flow max. 2.6 mbar (according to 58620) at 95 l/min, constant flow max. 9.8 mbar (according to 58620)
Marking:	Trade mark of manufacturer (LOGO) Product designation Applied standard Consider the information brochure Limitation of use Expiry of shelf-life (MM/YYYY) Lot-No. (PARTITA) CE-Identification Notified body Identification color: black – white
Handling:	Open the aluminium foil bag afterwards open the filter (remove the cover caps) and screw filter firmly into the face piece connector directly before use. Use the Filter in accordance with the information brochure.
Storage conditions:	Ambient temperature. Protect against cold, heat and humidity. Consider conditions noted on the packaging.
Warning reference:	Please consider the information brochure!
User references:	EKASTU Safety GmbH guarantees the indicated achievement according to class and type. It is to be noted that the laboratory test values can considerably deviate from those, which are reached in practice. The user must read and understand all functional information. Use the Respiratory protective devices with this information brochure, the relevant valid statutory regulations and the safety requirements of the profession associations, particularly the regulations for use in accordance with DGUV Rule 112-190 resp. DIN EN 529 ‘Respiratory protective devices – recommendation for selection, use, care and maintenance – guidelines’.

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