



Filter Advantage 201 A

Technical Datasheet

| Description | | | |
|--|---|---|----------------|
| Name | Advantage 201 A | | |
| Part Number | 430371 | | |
| Marking according to EN | A2 | | |
| Conditions of use | • organic gases and vapors with a boiling point > 65° C |  | |
| Colour code | brown | | |
| Characteristics | | | |
| Weight (g) | 85 - 90 | | |
| Diameter (mm) | 103 x 78 | | |
| Height incl. thread (mm) | 39 | | |
| Connection | gas filter with bayonet for paired use | | |
| Breathing Resistance | | | |
| | | EN 14387 requirements | Typical values |
| | at 15 l/min * | max. 140 Pa | 40 - 50 Pa |
| | at 47,5 l/min * | max. 560 Pa | 170 - 195 Pa |
| Concentration of Testing Gases | | | |
| Class 2 | 5000 ppm (0,5 Vol.-%) | | |
| Performances | | | |
| Filter type and class | Gases of reference | EN 14387 requirements | Typical values |
| A2 | Cyclohexane (C6H12) | 35 min | 50 min |
| Material | | | |
| Housing | plastics | | |
| Cover (particle filter) | plastics | | |
| Filtering material | unimpregnated activated carbon | | |
| Details/Special Information | | | |
| Storage conditions & time | Factory sealed | - 5 °C to + 50°C, < 90 % r. h. | 5,0 years |
| * Note: Test flow condition of EN 14387 | When one filter of a multiple filter device is tested separately, the air flow specified for a test shall be divided by the number of filters through which the air flow is proportioned. 30 l/min : 2 filters = 15 l/min per filter 95 l/min : 2 filters = 47,5 l/min per filter The applicable performance requirements must be carried out at halved volume flow. | | |


Filter Advantage 202 A-P3

Technical Datasheet

| Description | | | |
|--|---|---|----------------|
| Name | Advantage 202 A-P3 | | |
| Part Number | 430372 | | |
| Marking according to EN | A2 P3 R | | |
| Conditions of use | <ul style="list-style-type: none"> organic gases and vapors with a boiling point > 65° C against non-volatile liquid and solid particles |  | |
| Colour code | <div style="background-color: #8B4513; color: white; padding: 2px;">brown</div> <div style="background-color: #FFFFFF; color: black; padding: 2px;">white</div> | | |
| | | | |
| Characteristics | | | |
| Weight (g) | 102 | | |
| Diameter (mm) | 103 x 78 | | |
| Height incl. thread (mm) | 54 | | |
| Connection | combination filter with bayonet for paired use | | |
| Breathing Resistance | | | |
| | | EN 14387 requirements | Typical values |
| | at 15 l/min * | max. 260 Pa | 140 Pa |
| | at 47,5 l/min * | max. 980 Pa | 450 Pa |
| Concentration of Testing Gases | | | |
| Class 2 | 5000 ppm (0,5 Vol.-%) | | |
| Performances | | | |
| Filter type and class | Gases of reference | EN 14387 requirements | Typical values |
| A2 | Cyclohexane (C6H12) | 35 min | 50 min |
| Filter type and class | Particles of reference | EN 143 requirements | Typical values |
| P3 | Sodium chloride (NaCl) | max. 0,05% | < 0,009 % |
| | Paraffin oil | max. 0,05% | < 0,004 % |
| R | Reusable according EN 143:2000/A1:2006 | | |
| D | Dolomite clogging test & marking according to EN 143:2000/A1:2006 and EN 14387 | | |
| Material | | | |
| Housing | plastics | | |
| Cover (particle filter) | plastics | | |
| Filtering material | fibre glass paper / unimpregnated activated carbon | | |
| Details/Special Information | | | |
| Storage conditions & time | Factory sealed | - 5 °C to + 50°C, < 90 % r. h. | 5,0 years |
| * Note: Test flow condition of EN 14387 | When one filter of a multiple filter device is tested separately, the air flow specified for a test shall be divided by the number of filters through which the air flow is proportioned. 30 l/min : 2 filters = 15 l/min per filter 95 l/min : 2 filters = 47,5 l/min per filter The applicable performance requirements must be carried out at halved volume flow. | | |


Filter Advantage 201 ABEK

Technical Datasheet

| Description | | | | | | | |
|--|---|---|----------------|-------|------|--------|-------|
| Name | Advantage 201 ABEK | | | | | | |
| Part Number | 430373 | | | | | | |
| Marking according to EN | A2 B2 E1 K1 | | | | | | |
| Conditions of use | <ul style="list-style-type: none"> organic gases and vapors with a boiling point > 65° C inorganic gases and vapors, e.g. chlorine, hydrogen sulfide, hydrogen cyanide sulfur dioxide, hydrogen chloride and other acid gases ammonia and organic ammonia derivatives |  | | | | | |
| Colour code | <table border="1"> <tr><td>brown</td></tr> <tr><td>grey</td></tr> <tr><td>yellow</td></tr> <tr><td>green</td></tr> </table> | | | brown | grey | yellow | green |
| brown | | | | | | | |
| grey | | | | | | | |
| yellow | | | | | | | |
| green | | | | | | | |
| Characteristics | | | | | | | |
| Weight (g) | 130-140 | | | | | | |
| Diameter (mm) | 103 x 78 | | | | | | |
| Height incl. thread (mm) | 45 | | | | | | |
| Connection | gas filter with bayonet for paired use | | | | | | |
| Breathing Resistance | | | | | | | |
| | | EN 14387 requirements | Typical values | | | | |
| | at 15 l/min * | max. 140 Pa | 85 Pa | | | | |
| | at 47,5 l/min * | max. 560 Pa | 300 Pa | | | | |
| Concentration of Testing Gases | | | | | | | |
| Class 1 | 1000 ppm (0,1 Vol.-%) | | | | | | |
| Class 2 | 5000 ppm (0,5 Vol.-%) | | | | | | |
| Performances | | | | | | | |
| Filter type and class | Gases of reference | EN 14387 requirements | Typical values | | | | |
| A2 | Cyclohexane (C6H12) | 35 min | 40-50 min | | | | |
| B2 | Chlorine (Cl2) | 20 min | 30-40 min | | | | |
| | Hydrogen sulfide (H2S) | 40 min | > 80 min | | | | |
| | Hydrocyanic acid (HCN) | 25 min | 40-70 min | | | | |
| E1 | Sulfur dioxide (SO2) | 20 min | >70 min | | | | |
| K1 | Ammonia (NH3) | 50 min | >100 min | | | | |
| Material | | | | | | | |
| Housing | plastics | | | | | | |
| Cover (particle filter) | plastics | | | | | | |
| Filtering material | impregnated activated carbon | | | | | | |
| Details/Special Information | | | | | | | |
| Storage conditions & time | Factory sealed | - 5 °C to + 50°C, < 90 % r. h. | 5,0 years | | | | |
| * Note: Test flow condition of EN 14387 | When one filter of a multiple filter device is tested separately, the air flow specified for a test shall be divided by the number of filters through which the air flow is proportioned. 30 l/min : 2 filters = 15 l/min per filter 95 l/min : 2 filters = 47,5 l/min per filter The applicable performance requirements must be carried out at halved volume flow. | | | | | | |


Filter Advantage 202 ABEK - P3

Technical Datasheet

| Description | | | | | |
|--|---|---|----------------|--|--|
| Name | Advantage 202 ABEK - P3 | | | | |
| Part Number | 430374 | | | | |
| Marking according to EN | A2 B2 E1 K1 P3 R | | | | |
| Conditions of use | <ul style="list-style-type: none"> • organic gases and vapors with a boiling point > 65° C • inorganic gases and vapors, e.g. chlorine, hydrogen sulfide, hydrogen cyanide • sulfur dioxide, hydrogen chloride and other acid gases • ammonia and organic ammonia derivatives • against non-volatile liquid and solid particles |  | | | |
| Colour code | brown | | | | |
| | grey | | | | |
| | yellow | | | | |
| | green | | | | |
| | white | | | | |
| Characteristics | | | | | |
| Weight (g) | 150 | | | | |
| Diameter (mm) | 103 x 78 | | | | |
| Height incl. thread (mm) | 60 | | | | |
| Connection | combination filter with bayonet for paired use | | | | |
| Breathing Resistance | | | | | |
| | | EN 14387 requirements | Typical values | | |
| | at 15 l/min * | max. 260 Pa | 150 Pa | | |
| | at 47,5 l/min * | max. 980 Pa | 530 Pa | | |
| Concentration of Testing Gases | | | | | |
| Class 1 | 1000 ppm (0,1 Vol.-%) | | | | |
| Class 2 | 5000 ppm (0,5 Vol.-%) | | | | |
| Performances | | | | | |
| Filter type and class | Gases of reference | EN 14387 requirements | Typical values | | |
| A2 | Cyclohexane (C6H12) | 35 min | 40-50 min | | |
| | Chlorine (Cl2) | 20 min | 30-40 min | | |
| B2 | Hydrogen sulfide (H2S) | 40 min | >80 min | | |
| | Hydrocyanic acid (HCN) | 25 min | 40-70 min | | |
| E1 | Sulfur dioxide (SO2) | 20 min | >70 min | | |
| K1 | Ammonia (NH3) | 50 min | >100 min | | |
| Filter type and class | Particles of reference | EN 143 requirements | Typical values | | |
| P3 | Sodium chloride (NaCl) | max. 0,05% | < 0,009% | | |
| | Paraffin oil | max. 0,05% | < 0,004% | | |
| R | Reusable according EN 143:2000/A1:2006 | | | | |
| D | Dolomite clogging test & marking according to EN 143:2000/A1:2006 and EN 14387 | | | | |
| Material | | | | | |
| Housing | plastics | | | | |
| Cover (particle filter) | plastics | | | | |
| Filtering material | fiber glass paper / impregnated activated carbon | | | | |
| Details/Special Information | | | | | |
| Storage conditions & time | Factory sealed | - 5 °C to + 50°C, < 90 % r. h. | 5,0 years | | |
| * Note: Test flow condition of EN 14387 | When one filter of a multiple filter device is tested separately, the air flow specified for a test shall be divided by the number of filters through which the air flow is proportioned. 30 l/min : 2 filters = 15 l/min per filter 95 l/min : 2 filters = 47,5 l/min per filter The applicable performance requirements must be carried out at halved volume flow. | | | | |


Filter Advantage 200 P3

Technical Datasheet

| Description | | | |
|--|---|---|----------------|
| Name | Advantage 200 P3 | | |
| Part Number | 430375 | | |
| Marking according to EN | P3 R | | |
| Conditions of use | <ul style="list-style-type: none"> against non-volatile liquid and solid particles |  | |
| Colour code | white | | |
| Characteristics | | | |
| Weight (g) | 23 | | |
| Diameter (mm) | 69 | | |
| Height incl. thread (mm) | 27 | | |
| Connection | particle filter with bayonet for paired use | | |
| Breathing Resistance | | | |
| | | EN 14387 requirements | Typical values |
| | at 15 l/min * | max.120 Pa | 60 - 70 Pa |
| | at 47,5 l/min * | max.420 Pa | 190 - 220 Pa |
| Concentration of Testing Gases | | | |
| | | | |
| Performances | | | |
| Filter type and class | Gases of reference | EN 14387 requirements | Typical values |
| P3 | Sodium chloride (NaCl) | max. 0,05% | < 0,009 % |
| | Paraffin oil | max. 0,05% | < 0,004 % |
| R | Reusable according EN 143:2000/A1:2006 | | |
| D | Dolomite clogging test & marking according to EN 143:2000/A1:2006 and EN 14387 | | |
| Clogging | At a concentration of 400+100 mg / m ² dolomite dust is loaded until the product of dust concentration and duration is 263 mg x h / m ² . (loading value) | | |
| Requirements: | The particle filter is not allowed to exceed the pressure difference of 700 Pa after the loading. (test flow rate 47,5 l/min) | | |
| Filter typical values: | < 300 Pa | | |
| Material | | | |
| Housing | plastics | | |
| Cover (particle filter) | plastics | | |
| Filtering material | fiber glass paper | | |
| Details/Special Information | | | |
| Storage conditions & time | Factory sealed | - 5 °C to + 50°C, < 90 % r. h. | 10 years |
| * Note: Test flow condition of EN 14387 | When one filter of a multiple filter device is tested separately, the air flow specified for a test shall be divided by the number of filters through which the air flow is proportioned. 30 l/min : 2 filters = 15 l/min per filter 95 l/min : 2 filters = 47,5 l/min per filter The applicable performance requirements must be carried out at halved volume flow. | | |


Filter Advantage 201 K

Technical Datasheet

| Description | | | |
|--|---|---|----------------|
| Name | Advantage 201 K | | |
| Part Number | 10107163 | | |
| Marking according to EN | K2 | | |
| Conditions of use | • ammonia and organic ammonia derivatives |  | |
| Colour code | green | | |
| | | | |
| Characteristics | | | |
| Weight (g) | 110 | | |
| Diameter (mm) | 103 x 78 | | |
| Height incl. thread (mm) | 38 | | |
| Connection | gas filter with bayonet for paired use | | |
| Breathing Resistance | | | |
| | | EN 14387 requirements | Typical values |
| | at 15 l/min * | max. 140 Pa | 40 Pa |
| | at 47,5 l/min * | max. 560 Pa | 180 Pa |
| Concentration of Testing Gases | | | |
| Class 2 | 5000 ppm (0,5 Vol.-%) | | |
| Performances | | | |
| Filter type and class | Gases of reference | EN 14387 requirements | Typical values |
| K2 | Ammonia (NH ₃) | 40 min | 50 min |
| Material | | | |
| Housing | plastics | | |
| Cover (particle filter) | plastics | | |
| Filtering material | impregnated activated carbon | | |
| Details/Special Information | | | |
| Storage conditions & time | Factory sealed | - 5 °C to + 50°C, < 90 % r. h. | 5,0 years |
| * Note: Test flow condition of EN 14387 | When one filter of a multiple filter device is tested separately, the air flow specified for a test shall be divided by the number of filters through which the air flow is proportioned. 30 l/min : 2 filters = 15 l/min per filter 95 l/min : 2 filters = 47,5 l/min per filter The applicable performance requirements must be carried out at halved volume flow. | | |


Filter Advantage 201 K - P3

Technical Datasheet

| Description | | | | |
|--|---|---|----------------|--|
| Name | Advantage 202 K - P3 | | | |
| Part Number | 10107165 | | | |
| Marking according to EN | K2 P3 R | | | |
| Conditions of use | <ul style="list-style-type: none"> • ammonia and organic ammonia derivatives • against non-volatile liquid and solid particles |  | | |
| Colour code | green | | | |
| | white | | | |
| Characteristics | | | | |
| Weight (g) | 125 | | | |
| Diameter (mm) | 103 x 78 | | | |
| Height incl. thread (mm) | 54 | | | |
| Connection | combination filter with bayonet for paired use | | | |
| Breathing Resistance | | | | |
| | | EN 14387 requirements | Typical values | |
| | at 15 l/min * | max. 260 Pa | 115 Pa | |
| | at 47,5 l/min * | max. 980 Pa | 440 Pa | |
| Concentration of Testing Gases | | | | |
| Class 2 | 5000 ppm (0,5 Vol.-%) | | | |
| Performances | | | | |
| Filter type and class | Gases of reference | EN 14387 requirements | Typical values | |
| K2 | Ammonia (NH ₃) | 40 min | 50 min | |
| Filter type and class | Particles of reference | EN 143 requirements | Typical values | |
| P3 | Sodium chloride (NaCl) | max. 0,05% | < 0,009% | |
| | Paraffin oil | max. 0,05% | < 0,004% | |
| R | Reusable according EN 143:2000/A1:2006 | | | |
| D | Dolomite clogging test & marking according to EN 143:2000/A1:2006 and EN 14387 | | | |
| Material | | | | |
| Housing | plastics | | | |
| Cover (particle filter) | plastics | | | |
| Filtering material | fibre glass paper / impregnated activated carbon | | | |
| Details/Special Information | | | | |
| Storage conditions & time | Factory sealed | - 5 °C to + 50°C, < 90 % r. h. | 5,0 years | |
| * Note: Test flow condition of EN 14387 | When one filter of a multiple filter device is tested separately, the air flow specified for a test shall be divided by the number of filters through which the air flow is proportioned. 30 l/min : 2 filters = 15 l/min per filter 95 l/min : 2 filters = 47,5 l/min per filter The applicable performance requirements must be carried out at halved volume flow. | | | |


Filter Advantage 201 ABE

Technical Datasheet

| Description | | | | |
|--|---|---|----------------|--|
| Name | Advantage 201 ABE | | | |
| Part Number | 10144827 | | | |
| Marking according to EN | A1B1E1 | | | |
| Conditions of use | <ul style="list-style-type: none"> • organic gases and vapors with a boiling point > 65° C • inorganic gases and vapors, e.g. chlorine, hydrogen sulfide, hydrogen cyanide • sulfur dioxide, hydrogen chloride and other acid gases |  | | |
| Colour code | brown | | | |
| | grey | | | |
| | yellow | | | |
| Characteristics | | | | |
| Weight (g) | 92 | | | |
| Diameter (mm) | 103 x 78 | | | |
| Height incl. thread (mm) | 38 | | | |
| Connection | gas filter with bayonet for paired use | | | |
| Breathing Resistance | | | | |
| | | EN 14387 requirements | Typical values | |
| | at 15 l/min * | max. 100 Pa | 40 Pa | |
| | at 47,5 l/min * | max. 400 Pa | 170 Pa | |
| Concentration of Testing Gases | | | | |
| Class 1 | 1000 ppm (0,1 Vol.-%) | | | |
| Performances | | | | |
| Filter type and class | Gases of reference | EN 14387 requirements | Typical values | |
| A1 | Cyclohexane (C6H12) | 70 min | > 150 min | |
| B1 | Chlorine (Cl2) | 20 min | > 50 min | |
| | Hydrogen sulfide (H2S) | 40 min | > 150 min | |
| | Hydrocyanic acid (HCN) | 25 min | > 70 min | |
| E1 | Sulfur dioxide (SO2) | 20 min | > 50 min | |
| Material | | | | |
| Housing | plastics | | | |
| Cover (particle filter) | plastics | | | |
| Filtering material | impregnated activated carbon | | | |
| Details/Special Information | | | | |
| Storage conditions & time | Factory sealed | - 5 °C to + 50°C, < 90 % r. h. | 5,0 years | |
| * Note: Test flow condition of EN 14387 | When one filter of a multiple filter device is tested separately, the air flow specified for a test shall be divided by the number of filters through which the air flow is proportioned. 30 l/min : 2 filters = 15 l/min per filter 95 l/min : 2 filters = 47,5 l/min per filter The applicable performance requirements must be carried out at halved volume flow. | | | |

Filter Advantage 201 ABE - P3

Technical Datasheet

| Description | | | | | | | |
|--|--|--------------------------------|---|-------|------|--------|-------|
| Name | Advantage 202 ABE-P3 | | | | | | |
| Part Number | 10144828 | | | | | | |
| Marking according to EN | A1B1E1 P3 R | | | | | | |
| Conditions of use | <ul style="list-style-type: none"> organic gases and vapors with a boiling point > 65° C inorganic gases and vapors, e.g. chlorine, hydrogen sulfide, hydrogen cyanide sulfur dioxide, hydrogen chloride and other acid gases against non-volatile liquid and solid particles | |  | | | | |
| Colour code | <table border="1"> <tr><td>brown</td></tr> <tr><td>grey</td></tr> <tr><td>yellow</td></tr> <tr><td>white</td></tr> </table> | | | brown | grey | yellow | white |
| brown | | | | | | | |
| grey | | | | | | | |
| yellow | | | | | | | |
| white | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Characteristics | | | | | | | |
| Weight (g) | 108 | | | | | | |
| Diameter (mm) | 103 x 78 | | | | | | |
| Height incl. thread (mm) | 54 | | | | | | |
| Connection | combination filter with bayonet for paired use | | | | | | |
| Breathing Resistance | | | | | | | |
| | | EN 14387 requirements | Typical values | | | | |
| | at 15 l/min * | max. 220 Pa | 108 Pa | | | | |
| | at 47,5 l/min * | max. 820 Pa | 400 Pa | | | | |
| Concentration of Testing Gases | | | | | | | |
| Class 1 | 1000 ppm (0,1 Vol.-%) | | | | | | |
| Performances | | | | | | | |
| Filter type and class | Gases of reference | EN 14387 requirements | Typical values | | | | |
| A1 | Cyclohexane (C6H12) | 70 min | > 150 min | | | | |
| B1 | Chlorine (Cl2) | 20 min | > 50 min | | | | |
| | Hydrogen sulfide (H2S) | 40 min | > 150 min | | | | |
| | Hydrocyanic acid (HCN) | 25 min | > 70 min | | | | |
| E1 | Sulfur dioxide (SO2) | 20 min | > 50 min | | | | |
| Filter type and class | Particles of reference | EN 143 requirements | Typical values | | | | |
| P3 | Sodium chloride (NaCl) | max. 0,05% | < 0,009% | | | | |
| | Paraffin oil | max. 0,05% | < 0,004% | | | | |
| R | Reusable according to EN 143:2000/A1:2006 | | | | | | |
| D | Dolomite clogging test & marking according to EN 143:2000/A1:2006 and EN 14387 | | | | | | |
| Material | | | | | | | |
| Housing | plastics | | | | | | |
| Cover (particle filter) | plastics | | | | | | |
| Filtering material | impregnated activated carbon | | | | | | |
| Details/Special Information | | | | | | | |
| Storage conditions & time | Factory sealed | - 5 °C to + 50°C, < 90 % r. h. | 5,0 years | | | | |
| * Note: Test flow condition of EN 14387 | <p>When one filter of a multiple filter device is tested separately, the air flow specified for a test shall be divided by the number of filters through which the air flow is proportioned.</p> <p>30 l/min : 2 filters = 15 l/min per filter 95 l/min : 2 filters = 47,5 l/min per filter</p> <p>The applicable performance requirements must be carried out at halved volume flow.</p> | | | | | | |