DELTRI+ virucidal air filters Even safer, cost-effective, and easy-to-use





A new solution for a reliable future

Systemair and Deltrian, a leading Belgian filter manufacturer, have joined forces to provide you with a new generation of virucidal filters for air handling units (AHUs).

As the first HVAC manufacturer worldwide and in line with our proven #HygienicByDesign concept, we supply the DELTRI+ filter for new and existing air handling units, regardless of size or brand.



Even safer

The DELTRI+ filter acts as an extra safeguard by capturing and inactivating viruses.

Offers more than 99%
reduction of virus load

Independently and scientifically proven

 Uses organic components (citric acid)



Quickly improve existing AHUs and indoor air quality with DELTRI+ filters before opting for more extensive, costly upgrades to ventilation systems.

✓ Simply **replace** existing filters

No modifications to unit required

 No additional power supply needed

چ Cost-effective

There's no need to worry about significantly increasing energy costs. **Very little extra energy is required** for this extra layer of virus protection.

- Efficient, low energy consumption (Eurovent Class A+)
- ✓ Low pressure drop
- Market-leading dust holding capacity

How does the DELTRI+ filter work?

The DELTRI+ filter is treated with an advanced plasma technology that creates a virucidal layer on the filter.

It neutralizes 99% or more of all viruses, including SARS-CoV-2 that causes COVID-19. The filter surface damages the virus and renders it inactive. **DELTRI+ filters are also effective against bacteria and mold.**



Citric acid

Effective in destroying viruses, safe for humans.

The virucide in DELTRI+ is citric acid. An organic compound that is widely used for cleaning and sanitising. Citric acid is used for food and drinks. The human body produces it for its own metabolism.



Applications

In order to protect all people present an a building, maintaining a good indoor air quality is vital. DELTRI+ filters provide the best possible protection against viruses and provides excellent filtration. The DELTRI+ filter is not a replacement for other prevention measures, but it certainly makes a significant contribution to extra security and good ventilation of buildings.



Suitable for a variety of application areas

DELTRI+ filter offers a hygienic answer for many types of applications, especially in buildings where many people gather, such as schools, offices and public spaces.

Proper maintenance

The reliability of the filters requires proper maintenance. Regular replacement, at least every year, is needed to keep the filter functioning in a hygienic way.

DELTRI+ as an extract air filter

When using rotary heat exchangers and plate heat exchangers, the risk of (minimal) leakages cannot be ruled out. That is why we recommend using the DELTRI+ filter in the extract air; after all, fresh outside air can be assumed to contain no virus particles. In specific cases, a second filter stage in the supply air can also be performed with a DELTRI+ filter.



Offices, schools and public buildings

Existing units with recirculation

Many existing installations use recirculation to reduce energy costs for heating or cooling. Extract air is mixed with the fresh outside air.

When in doubt about the quality of the extract air, the advice from REHVA and ASHRAE is to switch off the recirculation if possible or to improve the extract filters. The DELTRI+ filter is, of course, a good option for improving the extract filters and neutralize any virus particles present in the extract air.

Locating the DELTRI+ filter

In the example shown below, an air handling unit with heat recovery and a mixing section is used to supply air to induction units in the different areas of a building. In this example, the air handling unit is also equipped with a second filter in the supply. The exhaust filter and/or the second supply filter can be replaced with DELTRI+ filters.



Healthcare

Hygienic by design

Extra filter sections are often already included in healthcare institutions to sufficiently purify the supply air from contaminants. In these cases, the application of the DELTRI+ filter gives extra certainty about the quality of the supply air and, with sufficient ventilation, provides the optimum indoor climate and protection for people getting and providing care.



Locating the DELTRI+ filter

The example shows an air handling unit of the type regularly installed in healthcare institutions. Here too, DELTRI+ filters can be used for both the second supply filter and the exhaust filter.

Marine & Offshore

At sea, reliable solutions are a must

The requirements for air treatment for ships can be extreme. Safety is of the utmost importance in maritime applications, while space is limited and the temperature and humidity can vary enormously. Moreover, especially on passenger ships, many people are in a relatively small, often closed, space.

Positioning the DELTRI+ filter

The image showa an air handling unit that is regularly used in maritime applications. In the example a DELTRI+ filter is placed in the supply air.



in supply or recirculation air handling unit

Testing and certification

A great effort was done to prove that the DELTRI+ filter works and is safe. Several independent laboratories have provided more than 15 reports and certificates, all of which are available upon request.

Tests were done on:



All test reports are available upon request.

ISO rating

The filters have been tested according to ISO 16890. The filtration efficiencies measured:

- ISO ePM 1 = 90 [%]
- ISO ePM 2,5 = 95 [%]
- ISO ePM 10 = 95 [%]

Filter class (according to ISO 16890) is defined as ISO ePM1 90%. This is comparable to filter class F9 (EN 779) and MERV 16 (ANSI/ASHRAE 52.2).



Eurovent A+

The filter is certified by Eurovent based on the ISO 16890 test report. Based on TCR ECP-11 (Eurovent technical guideline), the Energy Efficiency Class (EEC) has been determined as A+.



Virucidal effect

The virucidal effect has been determined according to several standards and test methods. Independent third parties have tested the effect of the virucide (EN 14476) and its effect when applied to a textile (ISO 18184).

According to ISO 10705 the Virus Load Reduction (VLR) has been measured:

- VLR after 1 hour = 99,999 [%]
- VLR after 12 months = 99,21 [%]

The dynamic performance of the DELTRI+ filter has been tested with live viruses, bacteria, and molds. Air was contaminated with colony-forming units (CFUs) and subsequently pumped through the filter. The air leaving the filter was collected and the amount of CFUs that remain in the air were measured. After 5 minutes, the following values for the remaining CFUs were measured:

- Bacteria : 0 [%] --> 100 [%] efficient
- Mold : 2,5 [%] --> 97,5 [%] efficient
- Viruses : 0 [%] --> 100 [%] efficient

VLR > <u>99%</u>

Technical specification

The right filter for every application



Technical data for standard filter size		
Туре		Deltri+
Class (acc. ISO 16890)		ePM1 90%
Energy class (acc. Eurovent RS4/C/001-2015)		A+
Filter area	[m²]	13
Nominal flow rate	[m³/h]	3400
Nominal Ap	[Pa]	98
W x H x D	[mm]	592 x 592 x 400
Number of bags per filter frame		11
Maximum operational temperature	[°C]	80
Maximum relative humidity	[%]	90

Pressure difference for standard filter size

(2	V	Δр
[m³/s]	[m³/h]	[m/s]	[Pa]
0,235	846	0,67	18
0,474	1706	1,35	40
0,706	2542	2,01	66
0,940	3384	2,68	97
1,182	4255	3,37	133



Delivery

For air handling units in which the DELTRI+ filter is selected, the filter is separately sealed with the air handling unit supplied (just like with a HEPA filter), so that the virucidal coating is not affected when not already in use. The twelve months life cycle only begins when you start using the filter.

Save time

You can order the DELTRI+ filters quickly and easily via our webshop. You can find the webshop on the homepage of our website. Here you will find all types of filters for Topvex, Geniox and Sense.

By your side

Would you like to know more about the DELTRI+ filter? Then we are happy to assist you. For technical support or general questions, please contact us by phone or visit our website.



Individual filters



- For application in extract air or second stage in supply air
- Filter class ePM1 90% (ISO 16890)
- Comparable to filter class F9 (EN 779) and MERV 16 (ASHRAE 52.2)
- Eurovent Energy Efficiency Class A+
- UL 900 certified product



Droduct ourshor	W	Н	D	Number of bags per filter frame	
Product number	[mm]	[mm]	[mm]		
483898	490	287	400	9	
890783	287	287	400	5	
890784	287	490	400	5	
890785	287	592	400	5	
890786	490	392	400	9	
890787	490	592	400	9	
890788	490	490	400	9	
890789	592	287	400	11	
890790	592	392	400	11	
890791	592	490	400	11	
890792	592	592	400	11	
890793	792	392	400	15	
890794	437	287	400	8	
890795	437	592	400	8	
890796	566	350	400	10	
890797	706	430	400	13	
890798	866	430	400	16	
890799	512	510	400	9	
890800	448	670	400	8	
890801	502	750	400	9	
890802	555	830	400	10	
890803	592	892	400	11	
890804	287	892	400	5	
890867	592	437	400	11	

Sense



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- Filter for use in extract air
- Filter class ePM1 90% (ISO 16890)
- Comparable to filter class F9 (EN 779) and MERV 16 (ASHRAE 52.2)
- Eurovent Energy Efficiency Class A+
- UL 900 certified product



Product	Deltri+ filters	W	Н	D	Number of bags	Quantity required
number	suitable for	[mm]	[mm]	[mm]	per filter frame	Quantity required
890806	Sense 700	425	270	300	8	1
890805	Sense 1000	520	400	250	10	1

Topvex



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- Filter for use in extract air
- Filter class ePM1 90% (ISO 16890)
- Comparable to filter class F9 (EN 779) and MERV 16 (ASHRAE 52.2)
 - Eurovent Energy Efficiency Class A+



number statistic for (mon)	Product	Deltri+ filters	W	Н	D	Number of bags	Quantity required
277390 Topvex 1000 246 654 300 5 1 277390 Topvex 1002 837 742 370 16 1 277410 Topvex FC02 837 742 370 9 2 277411 Topvex FC03 444 444 400 8 1 277412 Topvex FC03 444 434 400 8 1 277413 Topvex FC03 634 636 400 10 1 277414 Topvex FC03 317 493 300 6 2 277415 Topvex SC04 317 493 300 6 2 277416 Topvex SC06 399 738 370 7 2 277418 Topvex SC03 344 454 300 14 1 80775 Topvex SC04 454 300 14 1 80775 Topvex SC03 464 679 400 9 2 <th>number</th> <th>suitable for</th> <th>[mm]</th> <th>[mm]</th> <th>[mm]</th> <th>per filter frame</th> <th>Quantity required</th>	number	suitable for	[mm]	[mm]	[mm]	per filter frame	Quantity required
22752 Topwex F100 316 754 300 6 1 2277400 Topwex F004 400 287 370 9 2 277411 Topwex F006 592 392 370 11 2 277411 Topwex F006 534 534 400 10 1 277414 Topwex F006 534 534 400 14 1 277415 Topwex F006 317 493 300 6 2 277416 Topwex S06 399 588 300 7 2 277418 Topwex S06 399 5788 370 7 2 277418 Topwex S01 399 788 370 12 1 80073 Topwex S02 644 454 300 14 1 80777 Topwex S03 654 392 370 12 1 80777 Topwex S03 654 392 370 12 <td>277390</td> <td>Topvex 1000</td> <td>246</td> <td>654</td> <td>300</td> <td>5</td> <td>1</td>	277390	Topvex 1000	246	654	300	5	1
227490 Topwek FC02 837 242 370 16 1 227410 Topwek FC02 827 370 11 2 227411 Topwek FC03 592 392 370 11 2 227411 Topwek FR03 434 434 400 10 1 227414 Topwek FR03 634 636 400 12 1 227414 Topwek FR03 634 636 400 14 1 227416 Topwek FR03 317 493 300 6 2 277416 Topwek SC03 317 493 300 7 2 277417 Topwek SC04 317 493 300 6 2 277418 Topwek SC03 399 738 370 7 2 277418 Topwek SC04 464 300 14 1 80077 Topwek SC04 464 300 12 2 277	277392	Topvex 1500	316	754	300	6	1
277410 Горчек RC04 490 287 370 9 2 277411 Горчек R03 434 434 400 8 1 277412 Горчек R03 434 434 400 8 1 277413 Горчек R03 534 636 400 12 1 277415 Горчек R03 317 493 300 6 2 277416 Горчек S04 317 493 300 6 2 277418 Горчек S04 399 588 300 7 2 277418 Горчек S04 399 738 370 7 2 277418 Горчек S05 748 454 300 14 1 890774 Горчек S05 748 679 400 9 2 27739 Горчек S03 664 392 370 12 1 890774 Горчек S04 754 433 300 14	277409	Topvex FC02	837	242	370	16	1
277412 Topwex R006 592 392 370 11 2 277412 Topwex R006 534 434 400 8 1 277413 Topwex R006 534 534 400 10 1 277414 Topwex R008 634 636 400 14 1 277415 Topwex S003 317 493 300 6 2 277416 Topwex S008 399 738 370 7 2 277418 Topwex S008 399 738 370 7 2 277418 Topwex S02 634 454 300 14 1 80077 Topwex S02 634 454 300 14 1 80077 Topwex S03 654 392 370 12 1 80777 Topwex S03 654 392 370 12 1 277391 Topwex S04 754 433 300 14 <td>277410</td> <td>Topvex FC04</td> <td>490</td> <td>287</td> <td>370</td> <td>9</td> <td>2</td>	277410	Topvex FC04	490	287	370	9	2
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27743 Topvex RN06 534 534 400 10 1 277414 Topvex RN1 734 636 400 14 1 277415 Topvex RN1 734 736 400 14 1 277416 Topvex SC03 317 493 300 66 2 277418 Topvex SC06 399 738 370 7 2 277418 Topvex SC1 634 454 300 14 1 80073 Topvex SC2 748 679 400 14 1 800775 Topvex SC3 748 679 400 12 1 800777 Topvex SC60 648 679 400 12 1 800777 Topvex SC60 648 679 400 12 1 277391 Topvex SR04 754 433 300 14 1 277391 Topvex SR04 510 475 370 2	277412	Topvex FR03	434	434	400	8	1
2777414 Topvex FR108 634 636 400 12 1 2777415 Topvex S013 317 736 400 14 1 2777416 Topvex S04 317 493 300 6 2 277417 Topvex S06 399 738 370 7 2 277418 Topvex S073 Topvex S074 399 738 370 7 2 277418 Topvex S014 399 738 370 7 2 277418 Topvex S025 748 454 300 14 1 890773 Topvex S03 654 679 400 9 2 890774 Topvex S03 654 330 14 1 1 277391 Topvex S04 754 433 300 14 1 277403 Topvex S11 565 530 370 9 2 277403 Topvex S111 565 530	277413	Topvex FR06	534	534	400	10	1
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890773 Topvex S220 634 454 300 12 1 890774 Topvex S255 748 679 400 14 1 890775 Topvex S60 468 679 400 9 2 890777 Topvex S70 640 679 400 12 2 277391 Topvex SR04 554 433 300 14 1 277391 Topvex SR04 754 433 300 14 1 277401 Topvex SR04 754 433 300 14 1 277401 Topvex SR04 754 433 300 14 1 277401 Topvex SR04 504 476 370 9 2 89772 Topvex SR10 812 848 400 15 2 277405 Topvex SR11 565 530 370 10 2 890764 Topvex SR25 749 403 300 <t< td=""><td>277418</td><td>Topvex SC11</td><td>399</td><td>738</td><td>370</td><td>7</td><td>2</td></t<>	277418	Topvex SC11	399	738	370	7	2
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890775 Topvex SC35 748 679 400 14 1 890776 Topvex SC0 468 679 400 9 2 277391 Topvex SR03 654 392 370 12 2 277393 Topvex SR04 754 433 300 14 1 277401 Topvex SR06 904 476 370 9 2 277403 Topvex SR09 510 475 370 9 2 890772 Topvex SR10 812 848 400 15 2 890784 Topvex SR11 565 530 370 10 2 890764 Topvex SR25 749 403 300 14 1 890765 Topvex SR25 749 403 300 14 1 890764 Topvex SR25 749 403 300 14 1 890764 Topvex SR25 748 360 250 <	890774	Topvex SC25	748	454	300	14	1
890776 Topvex SC60 468 679 400 9 2 890777 Topvex SC70 640 679 400 12 2 277391 Topvex SR03 654 392 370 12 1 277393 Topvex SR04 754 433 300 14 1 277401 Topvex SR06 904 476 370 9 2 890727 Topvex SR09 510 475 370 9 2 890726 Topvex SR11 565 530 370 10 2 890762 Topvex SR11 565 530 370 12 1 890764 Topvex SR2 634 360 250 12 1 890764 Topvex SR35 749 403 300 14 1 890764 Topvex SR30 582 595 400 11 2 890768 Topvex SR30 682 716 350 <	890775	Topvex SC35	748	679	400	14	1
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277391 Topvex SR03 654 392 370 12 1 277393 Topvex SR04 754 433 300 14 1 277401 Topvex SR06 904 476 370 17 1 277403 Topvex SR09 510 475 370 9 2 890772 Topvex SR100 812 848 400 15 2 277405 Topvex SR11 565 530 370 10 2 890772 Topvex SR25 749 403 300 14 1 890764 Topvex SR25 749 403 300 14 1 890765 Topvex SR35 842 466 350 12 2 890766 Topvex SR30 582 595 400 11 2 890779 Topvex SR30 682 716 350 12 1 890779 Topvex TC20 634 360 250	890777	Topvex SC70	640	679	400	12	2
277393 Topvex SR04 754 433 300 14 1 277401 Topvex SR06 904 476 370 17 1 277403 Topvex SR00 510 475 370 9 2 277405 Topvex SR100 812 848 400 15 2 277405 Topvex SR20 634 360 250 12 1 890762 Topvex SR20 634 360 250 12 1 890764 Topvex SR25 842 466 350 15 1 890764 Topvex SR35 842 466 350 12 2 890778 Topvex SR30 682 716 350 12 2 890766 Topvex SR30 682 716 350 12 2 890771 Topvex SR30 682 716 350 12 1 890780 Topvex TC20 634 360 250	277391	Topvex SR03	654	392	370	12	1
277401 Topvex SR06 904 476 370 17 1 277403 Topvex SR09 510 475 370 9 2 890772 Topvex SR100 812 848 400 15 2 277405 Topvex SR10 565 530 370 10 2 890778 Topvex SR20 634 360 250 12 1 890764 Topvex SR35 842 466 350 15 1 890766 Topvex SR35 842 466 350 12 1 890768 Topvex SR40 582 595 400 9 2 890771 Topvex SR40 682 716 350 12 2 890779 Topvex TC20 634 360 250 14 1 890781 Topvex TC50 748 360 250 14 1 890782 Topvex TC60 468 537 300	277393	Topvex SR04	754	433	300	14	1
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890772 Topvex SR100 812 848 400 15 2 277405 Topvex SR11 565 530 370 10 2 890778 Topvex SR20 634 360 250 12 1 890762 Topvex SR25 749 403 300 14 1 890764 Topvex SR55 842 466 350 15 1 890768 Topvex SR60 502 520 400 9 2 890771 Topvex SR80 682 716 350 12 2 890778 Topvex TC20 634 360 250 12 1 890779 Topvex TC35 748 360 250 14 1 890781 Topvex TC35 748 530 300 14 1 890782 Topvex TC30 640 537 300 9 2 77390 Topvex TR03 246 654 300	277403	Topvex SR09	510	475	370	9	2
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890778 Topvex SR20 634 360 250 12 1 890762 Topvex SR25 749 403 300 14 1 890764 Topvex SR35 842 466 350 15 1 890766 Topvex SR60 502 520 400 9 2 890768 Topvex SR70 582 595 400 11 2 890778 Topvex SR70 582 595 400 11 2 890778 Topvex SR70 582 595 400 11 2 890778 Topvex SR80 682 716 350 12 1 890778 Topvex TC20 634 360 250 14 1 890780 Topvex TC25 748 530 300 14 1 890781 Topvex TC50 468 537 300 9 2 890782 Topvex TR03 246 654 300	277405	Topvex SR11	565	530	370	10	2
890762 Topvex SR25 749 403 300 14 1 890764 Topvex SR35 842 466 350 15 1 890766 Topvex SR60 502 520 400 9 2 890768 Topvex SR70 S82 595 400 11 2 890771 Topvex SR80 682 716 350 12 2 890778 Topvex TC20 634 360 250 14 1 890779 Topvex TC25 748 360 250 14 1 890781 Topvex TC55 748 530 300 14 1 890782 Topvex TC60 468 537 300 9 2 277390 Topvex TR03 246 654 300 5 1 277402 Topvex TR09 512 346 400 10 2 277404 Topvex TR12 567 396 400	890778	Topvex SR20	634	360	250	12	1
890764 Topvex SR35 842 466 350 15 1 890766 Topvex SR60 502 520 400 9 2 890768 Topvex SR70 582 595 400 11 2 890771 Topvex SR80 682 716 350 12 2 890778 Topvex TC20 634 360 250 14 1 890779 Topvex TC25 748 360 250 14 1 890780 Topvex TC35 748 530 300 14 1 890781 Topvex TC60 468 537 300 9 2 277390 Topvex TR03 246 654 300 5 1 277392 Topvex TR04 316 754 300 6 1 277400 Topvex TR06 904 315 400 11 2 277404 Topvex TR12 567 396 400 <	890762	Topvex SR25	749	403	300	14	1
890766 Topvex SR60 502 520 400 9 2 890768 Topvex SR70 582 595 400 11 2 890771 Topvex SR80 682 716 350 12 2 890778 Topvex TC20 634 360 250 12 1 890779 Topvex TC25 748 360 250 14 1 890780 Topvex TC35 748 530 300 14 1 890781 Topvex TC60 468 537 300 9 2 890782 Topvex TR03 246 654 300 5 1 277390 Topvex TR04 316 754 300 6 1 277402 Topvex TR05 944 315 400 17 1 277402 Topvex TR06 904 315 400 10 2 277404 Topvex TR12 567 396 400 <	890764	Topvex SR35	842	466	350	15	1
890768 Topvex SR70 582 595 400 11 2 890771 Topvex SR80 682 716 350 12 2 890778 Topvex TC20 634 360 250 12 1 890779 Topvex TC25 748 360 250 14 1 890780 Topvex TC35 748 530 300 14 1 890781 Topvex TC60 468 537 300 9 2 890782 Topvex TC70 640 537 300 12 2 277390 Topvex TR03 246 654 300 5 1 277392 Topvex TR04 316 754 300 6 1 277400 Topvex TR05 904 315 400 17 1 277402 Topvex TR06 904 315 400 10 2 277404 Topvex TR05 687 396 400	890766	Topvex SR60	502	520	400	9	2
890771 Topvex SR80 682 716 350 12 2 890778 Topvex TC20 634 360 250 12 1 890779 Topvex TC25 748 360 250 14 1 890780 Topvex TC35 748 530 300 14 1 890781 Topvex TC50 468 537 300 9 2 890782 Topvex TC70 640 537 300 12 2 277390 Topvex TR03 246 654 300 5 1 277392 Topvex TR04 316 754 300 6 1 277400 Topvex TR06 904 315 400 10 2 277402 Topvex TR06 904 315 400 11 2 277404 Topvex TR09 512 346 400 13 2 277404 Topvex TR12 567 396 400	890768	Topvex SR70	582	595	400	11	2
890778Topvex TC20634360250121890779Topvex TC25748360250141890780Topvex TC35748530300141890781Topvex TC5046853730092890782Topvex TC70640537300122277390Topvex TR0324665430051277392Topvex TR0431675430061277404Topvex TR06904315400171277402Topvex TR09512346400102277404Topvex TR12567396400112277408Topvex TR15687396400132890761Topvex TR20630237350111890765Topvex TR35834298300151890767Topvex TR60502367350112890769Topvex TR70582367350112	890771	Topvex SR80	682	716	350	12	2
890779 Topvex TC25 748 360 250 14 1 890780 Topvex TC35 748 530 300 14 1 890781 Topvex TC60 468 537 300 9 2 890782 Topvex TC70 640 537 300 12 2 277390 Topvex TR03 246 654 300 5 1 277392 Topvex TR04 316 754 300 6 1 277400 Topvex TR06 904 315 400 17 1 277402 Topvex TR06 904 315 400 10 2 277404 Topvex TR09 512 346 400 10 2 277408 Topvex TR15 687 396 400 13 2 277408 Topvex TR15 687 396 400 13 2 890761 Topvex TR20 630 237 350	890778	Topvex TC20	634	360	250	12	1
890780Topvex TC35748530300141890781Topvex TC6046853730092890782Topvex TC70640537300122277390Topvex TR0324665430051277392Topvex TR0431675430061277400Topvex TR06904315400171277402Topvex TR09512346400102277404Topvex TR12567396400112277408Topvex TR15687396400132890761Topvex TR20630237350111890763Topvex TR35834298300151890767Topvex TR60502367350112890769Topvex TR70582367350112890770Topvex TR70582367350112	890779	Topvex TC25	748	360	250	14	1
890781Topvex TC6046853730092890782Topvex TC70640537300122277390Topvex TR0324665430051277392Topvex TR0431675430061277400Topvex TR06904315400171277402Topvex TR09512346400102277404Topvex TR12567396400112277408Topvex TR15687396400132890761Topvex TR20630237350111890763Topvex TR25749278250141890765Topvex TR6050236735092890769Topvex TR70582367350112890770Topvex TR80682367350122	890780	Topvex TC35	748	530	300	14	1
890782Topvex TC70640537300122277390Topvex TR0324665430051277392Topvex TR0431675430061277400Topvex TR06904315400171277402Topvex TR09512346400102277404Topvex TR12567396400112277408Topvex TR15687396400132890761Topvex TR20630237350111890763Topvex TR25749278250141890765Topvex TR6050236735092890767Topvex TR70582367350112890770Topvex TR70582367350112	890781	Topvex TC60	468	537	300	9	2
277390Topvex TR0324665430051277392Topvex TR0431675430061277400Topvex TR06904315400171277402Topvex TR09512346400102277404Topvex TR12567396400112277408Topvex TR15687396400132277408Topvex TR20630237350111890761Topvex TR20630237350111890765Topvex TR35834298300151890767Topvex TR6050236735092890769Topvex TR70582367350112890770Topvex TR80682367350122	890782	Topvex TC70	640	537	300	12	2
277392Topvex TR0431675430061277400Topvex TR06904315400171277402Topvex TR09512346400102277404Topvex TR12567396400112277408Topvex TR15687396400132890761Topvex TR20630237350111890763Topvex TR25749278250141890765Topvex TR35834298300151890767Topvex TR6050236735092890769Topvex TR70582367350112	277390	Topvex TR03	246	654	300	5	1
277400 Topvex TR06 904 315 400 17 1 277402 Topvex TR09 512 346 400 10 2 277404 Topvex TR12 567 396 400 11 2 277408 Topvex TR15 687 396 400 13 2 277408 Topvex TR20 630 237 350 11 1 890761 Topvex TR20 630 237 350 11 1 890763 Topvex TR25 749 278 250 14 1 890765 Topvex TR35 834 298 300 15 1 890767 Topvex TR60 502 367 350 9 2 890769 Topvex TR70 582 367 350 11 2 890770 Topvex TR80 682 367 350 12 2	277392	Topyex TR04	316	754	300	6	1
277402 Topvex TR09 512 346 400 10 2 277404 Topvex TR12 567 396 400 11 2 277408 Topvex TR15 687 396 400 13 2 890761 Topvex TR20 630 237 350 11 1 890763 Topvex TR25 749 278 250 14 1 890765 Topvex TR35 834 298 300 15 1 890767 Topvex TR60 502 367 350 9 2 890769 Topvex TR70 582 367 350 11 2 890770 Topvex TR80 682 367 350 12 2	277400	Topvex TR06	904	315	400	17	1
277404 Topvex TR12 567 396 400 11 2 277408 Topvex TR15 687 396 400 13 2 890761 Topvex TR20 630 237 350 11 1 890763 Topvex TR25 749 278 250 14 1 890765 Topvex TR35 834 298 300 15 1 890767 Topvex TR60 502 367 350 9 2 890769 Topvex TR70 582 367 350 11 2 890770 Topvex TR80 682 367 350 12 2	277402	Topvex TR09	512	346	400	10	2
277408 Topvex TR15 687 396 400 13 2 890761 Topvex TR20 630 237 350 11 1 890763 Topvex TR25 749 278 250 14 1 890765 Topvex TR35 834 298 300 15 1 890767 Topvex TR60 502 367 350 9 2 890769 Topvex TR70 582 367 350 11 2 890770 Topvex TR80 682 367 350 12 2	277404	Topvex TR12	567	396	400	11	2
890761 Topvex TR20 630 237 350 11 1 890763 Topvex TR25 749 278 250 14 1 890765 Topvex TR35 834 298 300 15 1 890767 Topvex TR60 502 367 350 9 2 890769 Topvex TR70 582 367 350 11 2 890770 Topvex TR80 682 367 350 12 2	277408	Topyex TR15	687	396	400	13	2
890763 Topvex TR25 749 278 250 14 1 890765 Topvex TR35 834 298 300 15 1 890767 Topvex TR60 502 367 350 9 2 890769 Topvex TR70 582 367 350 11 2 890770 Topvex TR80 682 367 350 12 2	890761	Topyex TR20	630	237	350	11	1
890765 Topvex TR35 834 298 300 15 1 890767 Topvex TR60 502 367 350 9 2 890769 Topvex TR70 582 367 350 11 2 890770 Topvex TR80 682 367 350 12 2	890763	Topvex TR25	749	278	250	14	1
890767 Topvex TR60 502 367 350 9 2 890769 Topvex TR70 582 367 350 11 2 890770 Topvex TR80 682 367 350 12 2	890765	Topvex TR35	834	298	300	15	1
890769 Topvex TR70 582 367 350 11 2 890770 Topvex TR80 682 367 350 12 2	890767	Topvex TR60	502	367	350	9	2
890770 Topyex TR80 682 367 350 12 2	890769	Topvex TR70	582	367	350	11	2
	890770	Topvex TR80	682	367	350	12	2

Geniox



- For application in extract air or second stage in supply air
- Applicable for filter configurations: Stand filter configuration 1, ½ & ¼ filters - can only be applied if the filter selection has been made suitable for this purpose
- Filter class ePM1 90% (ISO 16890)
- Comparable to filter class F9 (EN 779) and MERV 16 (ASHRAE 52.2)
- Eurovent Energy Efficiency Class A+



For Geniox complete filter sets are standardised. This set contains all necessary filters per unit size.

Product number	Deltri+ filters suitable for	Filter configuration	Quantity & Dimensions WxH [mm]	Number of bags per filter frame
890819	Geniox 10	Only using 1, ½ & ¼ filters	2 → 1x [287x287] + 1x [592x287]	$16 \rightarrow 1x [5] + 1x [11]$
890807	Geniox 10	Standard filter configuration	$1 \rightarrow 1x [792x392]$	$15 \rightarrow 1x [15]$
890819	Geniox 11	Only using 1, ½ & ¼ filters	2 → 1x [287x287] + 1x [592x287]	$16 \rightarrow 1x [5] + 1x [11]$
890808	Geniox 11	Standard filter configuration	$2 \rightarrow 2x [490x392]$	$18 \rightarrow 2x[9]$
890819	Geniox 12	Only using 1, ½ & ¼ filters	$2 \rightarrow 1x [287x287] + 1x [592x287]$	$16 \rightarrow 1x [5] + 1x [11]$
890809	Geniox 12	Standard filter configuration	$2 \rightarrow 1x [490x490] + 1x [592x490]$	$20 \rightarrow 1x [9] + 1x [11]$
890820	Geniox 14	Only using 1, ½ & ¼ filters	$2 \rightarrow 2x [592x592]$	$22 \rightarrow 2x [11]$
890810	Geniox 14	Standard filter configuration	$3 \rightarrow 1x [287x592] + 2x [490x592]$	$23 \rightarrow 1x [5] + 2x [9]$
890821	Geniox 16	Only using 1, ½ & ¼ filters	$3 \rightarrow 1x [287x592] + 2x [592x592]$	$27 \rightarrow 1x [5] + 2x [11]$
890811	Geniox 16	Standard filter configuration	$3 \rightarrow 3x [490x592]$	$27 \rightarrow 3x [9]$
890821	Geniox 18	Only using 1, ½ & ¼ filters	$3 \rightarrow 1x [287x592] + 2x [592x592]$	$27 \rightarrow 1x [5] + 2x [11]$
890812	Geniox 18	Standard filter configuration	$6 \rightarrow 2x [490x392] + 4x [592x392]$	$62 \rightarrow 2x [9] + 4x [11]$
890822	Geniox 20	Only using 1, ½ & ¼ filters	$6 \rightarrow 3x [592x287] + 3x [592x592]$	$66 \rightarrow 3x [11] + 3x [11]$
890813	Geniox 20	Standard filter configuration	$6 \rightarrow 3x [592x287] + 3x [592x592]$	$66 \rightarrow 3x [11] + 3x [11]$
890823	Geniox 22	Only using 1, ½ & ¼ filters	8 → 1x [287x287] + 1x [287x592] + 3x [592x287] + 3x [592x592]	$76 \rightarrow 1x [5] + 1x [5] + 3x [11] + 3x [11]$
890814	Geniox 22	Standard filter configuration	$8 \rightarrow 2x [287x490] + 6x [592x490]$	$76 \rightarrow 2x [5] + 6x [11]$
890823	Geniox 24	Only using 1, ½ & ¼ filters	$8 \rightarrow 1x [287x287] + 1x [287x592] + 3x [592x287] + 3x [592x592]$	$76 \rightarrow 1x [5] + 1x [5] + 3x [11] + 3x [11]$
890815	Geniox 24	Standard filter configuration	$8 \rightarrow 1x [490x592] + 1x [490x490] + 3x [592x490] + 3x [592x592]$	$84 \rightarrow 1x [9] + 1x [9] + 3x [11] + 3x [11]$
890824	Geniox 27	Only using 1, ½ & ¼ filters	$8 \rightarrow 8x [592x592]$	$88 \rightarrow 8x [11]$
890816	Geniox 27	Standard filter configuration	$10 \rightarrow 8x [490x592] + 2x [592x592]$	$94 \rightarrow 8x [9] + 2x [11]$
890825	Geniox 29	Only using 1, ½ & ¼ filters	$10 \rightarrow 2x [287x592] + 8x [592x592]$	$98 \rightarrow 2x [5] + 8x [11]$
890817	Geniox 29	Standard filter configuration	$10 \rightarrow 4x [490x592] + 6x [592x592]$	$102 \rightarrow 4x [9] + 6x [11]$
890826	Geniox 31	Only using 1, ½ & ¼ filters	$10 \rightarrow 10x [592x592]$	$110 \rightarrow 10x [11]$
890818	Geniox 31	Standard filter configuration	15 → 5x [592x287] + 5x [592x490] + 5x [592x592]	$165 \rightarrow 5x [11] + 5x [11] + 5x [11]$
890926	Geniox 35	All	$18 \rightarrow 1x [287x287] + 2x [287x592] + 5x [592x287] + 10x [592x592]$	$180 \rightarrow 1x [5] + 2x [5] + 5x [11] + 10x [11]$
890927	Geniox 38	All	18 → 3x [287x592] + 15x [592x592]	$180 \rightarrow 3x [5] + 15x [11]$
890928	Geniox 41	All	21 → 3x [287x592] + 18x [592x592]	$213 \rightarrow 3x [5] + 18x [11]$
890929	Geniox 44	All	$28 \rightarrow 1x [287x287] + 3x [287x592] + 6x [592x287] + 18x [592x592]$	$284 \rightarrow 1x [5] + 3x [5] + 6x [11] + 18x$

Systemair New Zealand Ltd

Ph 0800 100 326 nzsales@systemair.nz www.systemair.nz

