



LEADER IN STORMWATER TREATMENT



— ANTI ODOUR FILTERS —





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ABOUT COMPANY

Ecol Sp. z o.o.(LLC) was set up In December 1988. Through more than 20 years the Company developed many products for the water protection. In 2011 company offer has been extended with group of products for removing unpleasant sewer odours.

— ANTI ODOUR FILTERS —

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ANTI ODOUR FILTERS



1. SEWER ODOURS

Natural process occurring in sewage during storage or transport, especially for long distances, is decay. Gases that are produced in this process often penetrate into air, causing unpleasant odours. Sewer odours include both inorganic and organic volatile compounds, which are often very toxic (e.g. hydrogen sulphide, thiosulphides, thiols) and are frequently released at concentration levels that pose a direct threat both to people health and environment. Thus, preventing the release of these gases into the environment is a matter not only of providing comfort, but first of all of protecting human health.

2. ANTI ODOUR FILTERS

In order to deal with the problem of sewer odours Ecol offers 4 types of anti odour filters. Depending on Customer needs, adequate filter can be chosen: submanhole, integrated, pipe, insert. Each filter can be filled with either activated carbon (Carbo) or biomass (Bio) filter insert.

ANTI ODOUR SUBMANHOLE FILTER EMF

is designed for assembly inside the well, directly under the cover. The filter is available in two sizes – to be employed under Φ 600/625 mm and Φ 800 mm manholes.

- simple assembly under any Φ 600 and Φ 800 manhole type
- rainfall drainage by water seal
- easy maintenance due to replaceable filter inserts

ANTI ODOUR INTEGRATED VENT EZK

provides an innovative solution on the Polish Market by combining both supply and exhaust functions in 1 casing.

- claimed solution combining supply and exhaust functions in one casing
- available in two sizes, with Φ_{mon} 110 and Φ_{mon} 160 mounting holes
- easy maintenance due to replaceable filter inserts

ANTI ODOUR PIPE VENT KF

presents a simple solution with filter packaging that is applied in traditional two-vent system (supply/exhaust).

- efficient, anti odour alternative to traditional vents
- available in two diameters: Φ 110 and Φ 160 mm
- easy maintenance due to replaceable filter inserts

ANTI ODOUR VENT INSERT KFW

instantly changes vents into an anti odour filter. The insert is designed for assembly in commonly found pipe vents made of PVC, PE and Φ 100, Φ 110, Φ 150 and Φ 160 mm in diameter.

- to be applied in existing vents
- available in two diameters: Φ 90 and Φ 140 mm
- simple assembly and maintenance

3. APPLICATION



Anti odour filters are applicable for sewerage systems that emit unpleasant smells.

Potential sources of sewer odours include municipal and process wastewater (especially from food production, e.g. meat and fish processing, bread industry).

Anti odour filters are installed at annoying odour source such as:

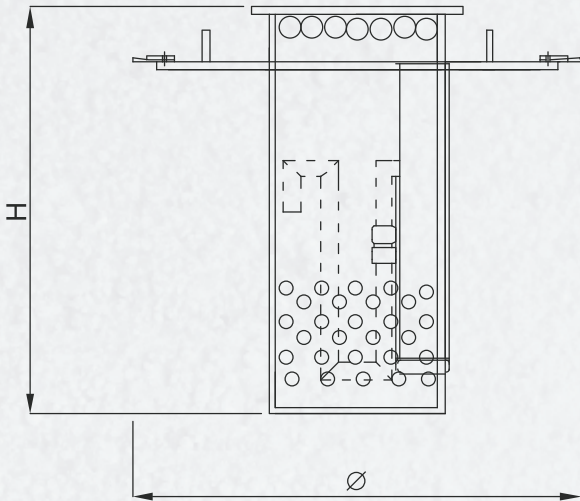
- inspection chambers
- wastewater treatment plants
- septic tanks (cesspools)
- sewage pumping stations
- grease separators
- tanks for delivered sewage
- decompression wells

4. MAINTENANCE

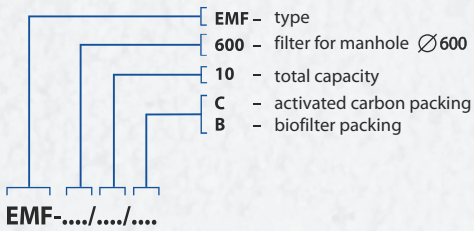
Maintenance of anti odour filters includes periodical replacement of filter insert. The process of insert replacement can be performed in a simple, safe and unaided way thanks to specially designed filter construction. Filter inserts are available for purchase in Ecol distribution network. Average filter insert service time ranges from 2 to 4 years, depending on filter type and operating conditions.



ANTI ODOUR SUBMANHOLE FILTER EMF



Notation:



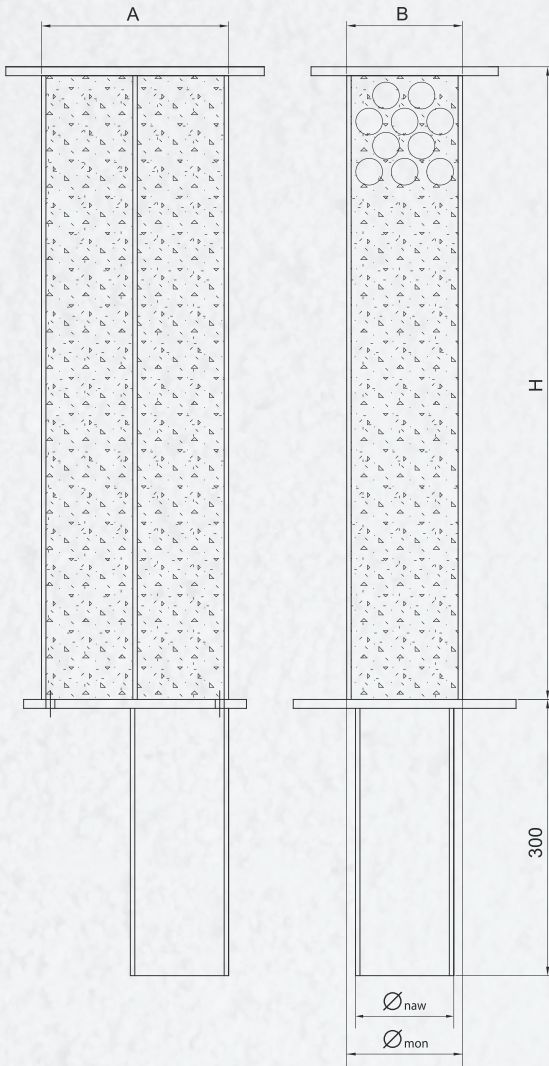
Filter casing is made of chemically and mechanically resistant polyethylene (HDPE).

Ecol-Unicon Anti Odour Integrated Vents are protected by utility model right no. W.119583.

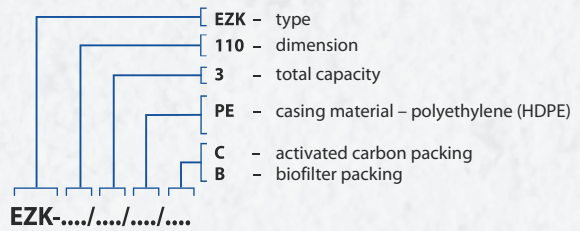
Ecol-Unicon Sp. z o.o. reserves itself the right to introduce changes in devices construction without prior notification. All updates are available from: www.ecol-unicon.com.

Type	Supply-exhaust system capacity [m ³ /h]	\varnothing [mm]	H [mm]	Weight [kg]
EMF-600/10/C	10	600/625	570	21
EMF-600/10/B	10	600/625	570	12
EMF-800/10/C	10	800	570	23
EMF-800/10/B	10	800	570	14

ANTI ODOUR INTEGRATED VENT EZK



Notation:

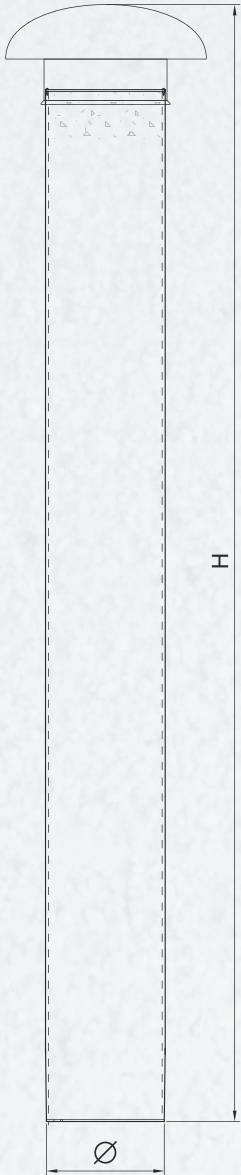


Filter casing is made of chemically and mechanically resistant polyethylene (HDPE).

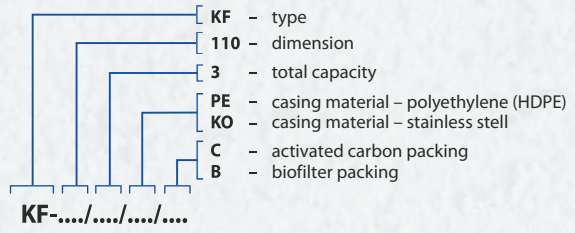
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Type	Supply-exhaust system capacity [m ³ /h]	A [mm]	B [mm]	H [mm]	Ø _{mon} [mm]	Ø _{naw} [mm]	Weight [kg]
EZK-110/3/PE/C	3	175	130	600	110	75	10
EZK-110/3/PE/B	3	175	130	600	110	75	7
EZK-160/6/PE/C	6	210	130	700	160	110	16
EZK-160/6/PE/B	6	210	130	700	160	110	10



Notation:

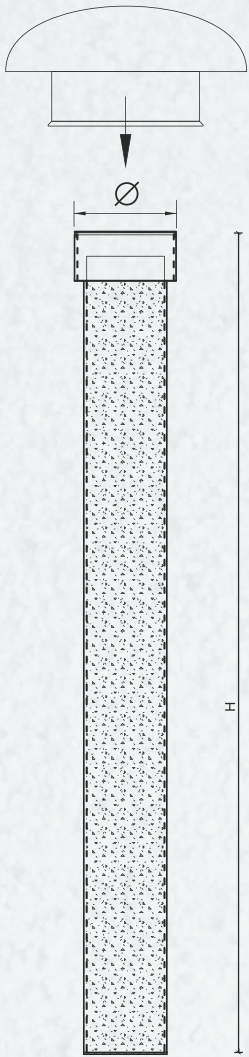


Filter casing is made of chemically and mechanically resistant polyethylene (HDPE) or stainless steel.

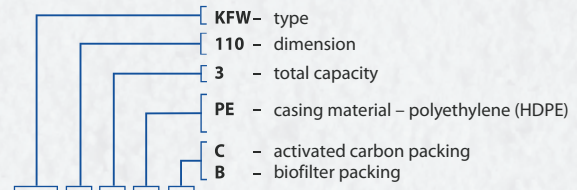
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Type	Capacity [m ³ /h]	Ø [mm]	H [mm]	Weight [kg]
KF-110/3/PE/C	3	110	1000	6
KF-110/3/PE/B	3	110	1000	4
KF-160/6/PE/C	6	160	1000	8
KF-160/6/PE/B	6	160	1000	6
KF-110/3/KO/C	3	110	1000	7
KF-110/3/KO/B	3	110	1000	5
KF-160/6/KO/C	6	160	1000	10
KF-160/6/KO/B	6	160	1000	8



Notation:



KFW-.../.../.../...

Filter casing is made of chemically and mechanically resistant polyethylene (HDPE).

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Type	Capacity [m ³ /h]	∅ [mm]	H [mm]	Weight [kg]
KFW-110/3/PE/C	3	110	1000	6
KFW-110/3/PE/B	3	110	1000	4
KFW-160/6/PE/C	6	160	1000	8
KFW-160/6/PE/B	6	160	1000	6



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