

HT350-Pro & HT350



Model: HT350-Pro-H13-610x610x292-01/00
 HT350-Pro: Support Flange Type, 350°C
 H13: Filter Class EN1822
 610x610x292: Size WxLxD mm
 01/00: Gasket Air Outlet/ Without Grid
 MGT Ref: HTH3TH3S0KC-610x610x292



Model: HT350-H13-610x610x292-01/00
 HT350: External Twisted Flange Type, 350°C
 H13: Filter Class EN1822
 610x610x292: Size WxLxD mm
 01/00: Gasket Air Outlet/ Without Grid
 MGT Ref: HTH3TH3K0KC-610x610x292

Advantages

- Emissions < ISO 5, stable even in hot tunnel zones.
- **Leak-free even after at least 200 cycles.**
- Fast ramp-up: tested at +5°C per minute.
- Zero cleaning: ready for use after installation, no fumes.
- Qualified components: reinforced frame, ProSafe mark.
- Energy saving: no need for constant temperature during downtime.
- Cleanroom packaging: filters in clean bags and plastic boxes.
- Each filter individually tested to EN 1822 standards.

Efficiency: H14 (99,995%) and H13 (99,95%) at MPPS (acc. to EN 1822)

Frame: SS304

Media: 350°C

Separator Interval: 3mm

Flange Type: Support/ External Twisted

Surface Grid: Without Grid

Gasket Type: Up to 400°C

Gasket Direction: Air Outlet

Max. Temperature: 350°C

Relative Humidity: 100%

Final Pressure Drop: 700 Pa.

Options:

Frame: SS304, SS316

Frang Type: External Twisted, Support, Rail, Box

Surface Grid: Without Grid, Face Grid Air Outlet, Both Side with Grid

Gasket type: Without gasket, Up to 400°C

Gasket direction: No, Air Outlet, Air Inlet, Both sides

Hygiene certification: HEPA FILTER | VDI 6022 Blatt 1:2018, DIN 1946-4:2018, ISO 846:2019 Plastics, BS EN 17141:2020.

Food contact Conformity: HEPA Filter | (EC) No 1935/2004, (EC) No 2002/72, (EU) No 10/2011, (EU) No 2020/1245, U.S.

FDA-Determining the Regulatory Status of Components of a Food Contact Material.

MADE IN TURKEY

HEPA H13 : HT350 -Pro & HT350

Model HT350-Pro	P/N	MGT's Reference	Size W x L x D	Filter class EN 1822	Area m ²	Air flow m ³ /h	Pressure Drop Pa
HT350-Pro-H13-305x305x292-01/00	959401M	HTH3TH3S0KC	305x305x292	H13	6,5	430	250
HT350-Pro-H13-305x610x292-01/00	959402M	HTH3TH3S0KC	305x610x292	H13	13,7	900	250
HT350-Pro-H13-457x457x292-01/00	959403M	HTH3TH3S0KC	457x457x292	H13	15,8	1030	250
HT350-Pro-H13-457x610x292-01/00	959404M	HTH3TH3S0KC	457x610x292	H13	21,0	1420	250
HT350-Pro-H13-457x762x292-01/00	959405M	HTH3TH3S0KC	457x762x292	H13	26,2	1810	250
HT350-Pro-H13-610x610x292-01/00	959406M	HTH3TH3S0KC	610x610x292	H13	28,0	1960	250
HT350-Pro-H13-610x762x292-01/00	959407M	HTH3TH3S0KC	610x762x292	H13	35,0	2480	250
HT350-Pro-H13-610x915x292-01/00	959408M	HTH3TH3S0KC	610x915x292	H13	42,0	2980	250
HT350-Pro-H13-305x305x150-01/00	959409M	HTH3TH3S0KC	305x305x150	H13	3,5	250	250
HT350-Pro-H13-305x610x150-01/00	959410M	HTH3TH3S0KC	305x610x150	H13	7,0	540	250
HT350-Pro-H13-457x457x150-01/00	959411M	HTH3TH3S0KC	457x457x150	H13	7,8	610	250
HT350-Pro-H13-457x610x150-01/00	959412M	HTH3TH3S0KC	457x610x150	H13	10,5	860	250
HT350-Pro-H13-457x762x150-01/00	959413M	HTH3TH3S0KC	457x762x150	H13	13,1	1100	250
HT350-Pro-H13-610x610x150-01/00	959414M	HTH3TH3S0KC	610x610x150	H13	14,0	1180	250
HT350-Pro-H13-610x762x150-01/00	959415M	HTH3TH3S0KC	610x762x150	H13	17,5	1510	250
HT350-Pro-H13-610x915x150-01/00	959416M	HTH3TH3S0KC	610x915x150	H13	21,0	1830	250

Model HT350	P/N	MGT's Reference	Size W x L x D	Filter class EN 1822	Area m ²	Air flow m ³ /h	Pressure Drop Pa
HT350-H13-305x305x292-01/00	959501M	HTH3TH3K0KC	305x305x292	H13	6,5	430	250
HT350-H13-305x610x292-01/00	959502M	HTH3TH3K0KC	305x610x292	H13	13,7	900	250
HT350-H13-457x457x292-01/00	959503M	HTH3TH3K0KC	457x457x292	H13	15,8	1030	250
HT350-H13-457x610x292-01/00	959504M	HTH3TH3K0KC	457x610x292	H13	21,0	1420	250
HT350-H13-457x762x292-01/00	959505M	HTH3TH3K0KC	457x762x292	H13	26,2	1810	250
HT350-H13-610x610x292-01/00	959506M	HTH3TH3K0KC	610x610x292	H13	28,0	1960	250
HT350-H13-610x762x292-01/00	959507M	HTH3TH3K0KC	610x762x292	H13	35,0	2480	250
HT350-H13-610x915x292-01/00	959508M	HTH3TH3K0KC	610x915x292	H13	42,0	2980	250
HT350-H13-305x305x150-01/00	959509M	HTH3TH3K0KC	305x305x150	H13	3,5	250	250
HT350-H13-305x610x150-01/00	959510M	HTH3TH3K0KC	305x610x150	H13	7,0	540	250
HT350-H13-457x457x150-01/00	959511M	HTH3TH3K0KC	457x457x150	H13	7,8	610	250
HT350-H13-457x610x150-01/00	959512M	HTH3TH3K0KC	457x610x150	H13	10,5	860	250
HT350-H13-457x762x150-01/00	959513M	HTH3TH3K0KC	457x762x150	H13	13,1	1100	250
HT350-H13-610x610x150-01/00	959514M	HTH3TH3K0KC	610x610x150	H13	14,0	1180	250
HT350-H13-610x762x150-01/00	959515M	HTH3TH3K0KC	610x762x150	H13	17,5	1510	250
HT350-H13-610x915x150-01/00	959516M	HTH3TH3K0KC	610x915x150	H13	21,0	1830	250

HEPA H14 : HT350-Pro & HT350

Model HT350-Pro	P/N	MGT's Reference	Size W x L x D	Filter class EN 1822	Area m ²	Air flow m ³ /h	Pressure Drop Pa
HT350-Pro-H14-305x305x292-01/00	959421M	HTH4TH3S0KC	305x305x292	H14	6,5	430	290
HT350-Pro-H14-305x610x292-01/00	959422M	HTH4TH3S0KC	305x610x292	H14	13,7	900	290
HT350-Pro-H14-457x457x292-01/00	959423M	HTH4TH3S0KC	457x457x292	H14	15,8	1030	290
HT350-Pro-H14-457x610x292-01/00	959424M	HTH4TH3S0KC	457x610x292	H14	21,0	1420	290
HT350-Pro-H14-457x762x292-01/00	959425M	HTH4TH3S0KC	457x762x292	H14	26,2	1810	290
HT350-Pro-H14-610x610x292-01/00	959426M	HTH4TH3S0KC	610x610x292	H14	28,0	1960	290
HT350-Pro-H14-610x762x292-01/00	959427M	HTH4TH3S0KC	610x762x292	H14	35,0	2480	290
HT350-Pro-H14-610x915x292-01/00	959428M	HTH4TH3S0KC	610x915x292	H14	42,0	2980	290
HT350-Pro-H14-305x305x150-01/00	959429M	HTH4TH3S0KC	305x305x150	H14	3,5	250	290
HT350-Pro-H14-305x610x150-01/00	959430M	HTH4TH3S0KC	305x610x150	H14	7,0	540	290
HT350-Pro-H14-457x457x150-01/00	959431M	HTH4TH3S0KC	457x457x150	H14	7,8	610	290
HT350-Pro-H14-457x610x150-01/00	959432M	HTH4TH3S0KC	457x610x150	H14	10,5	860	290
HT350-Pro-H14-457x762x150-01/00	959433M	HTH4TH3S0KC	457x762x150	H14	13,1	1100	290
HT350-Pro-H14-610x610x150-01/00	959434M	HTH4TH3S0KC	610x610x150	H14	14,0	1180	290
HT350-Pro-H14-610x762x150-01/00	959435M	HTH4TH3S0KC	610x762x150	H14	17,5	1510	290
HT350-Pro-H14-610x915x150-01/00	959436M	HTH4TH3S0KC	610x915x150	H14	21,0	1830	290

Model HT350	P/N	MGT's Reference	Size W x L x D	Filter class EN 1822	Area m ²	Air flow m ³ /h	Pressure Drop Pa
HT350-H14-305x305x292-01/00	959521M	HTH4TH3K0KC	305x305x292	H14	6,5	430	290
HT350-H14-305x610x292-01/00	959522M	HTH4TH3K0KC	305x610x292	H14	13,7	900	290
HT350-H14-457x457x292-01/00	959523M	HTH4TH3K0KC	457x457x292	H14	15,8	1030	290
HT350-H14-457x610x292-01/00	959524M	HTH4TH3K0KC	457x610x292	H14	21,0	1420	290
HT350-H14-457x762x292-01/00	959525M	HTH4TH3K0KC	457x762x292	H14	26,2	1810	290
HT350-H14-610x610x292-01/00	959526M	HTH4TH3K0KC	610x610x292	H14	28,0	1960	290
HT350-H14-610x762x292-01/00	959527M	HTH4TH3K0KC	610x762x292	H14	35,0	2480	290
HT350-H14-610x915x292-01/00	959528M	HTH4TH3K0KC	610x915x292	H14	42,0	2980	290
HT350-H14-305x305x150-01/00	959529M	HTH4TH3K0KC	305x305x150	H14	3,5	250	290
HT350-H14-305x610x150-01/00	959530M	HTH4TH3K0KC	305x610x150	H14	7,0	540	290
HT350-H14-457x457x150-01/00	959531M	HTH4TH3K0KC	457x457x150	H14	7,8	610	290
HT350-H14-457x610x150-01/00	959532M	HTH4TH3K0KC	457x610x150	H14	10,5	860	290
HT350-H14-457x762x150-01/00	959533M	HTH4TH3K0KC	457x762x150	H14	13,1	1100	290
HT350-H14-610x610x150-01/00	959534M	HTH4TH3K0KC	610x610x150	H14	14,0	1180	290
HT350-H14-610x762x150-01/00	959535M	HTH4TH3K0KC	610x762x150	H14	17,5	1510	290
HT350-H14-610x915x150-01/00	959536M	HTH4TH3K0KC	610x915x150	H14	21,0	1830	290

ACTIVATED CARBON FILTERS



V type Active Carbon Filters
with Carbon Granules Filled

Med CB-Box
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V type Active Carbon Filters
with Carbon Granules Filled

Med CB-V
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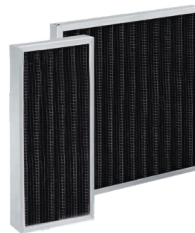
Pleated odor Absorbents
Active Carbon Filters

Light CB-V-F7
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Pleated odor Absorbents
Active Carbon Filters

Light CB-HF-F7
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Pleated odor Absorbents
Active Carbon Filters

Light CB-Z-G4
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Filled odor Absorbents
Active Carbon Filters

Med CB-Pan
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Active Carbon Filters with
Filled Cylindrical Cartridges

Med CB-C-Set
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Active Carbon Filters with
Filled Cylindrical Cartridges

Med CB-C
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Active Carbon Filters with
Filled Cylindrical Cartridges

Med CB-C Mounting Frame
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MADE IN TURKEY

Manufacturer: MGT

Origin of Activated Carbon

Activated carbon is usually produced from natural materials such as coconut shells or carbon (wood, bamboo, coal). The high-temperature activation process creates small porous holes on the surface, increasing the adsorption capacity for toxic gases, odors, and organic compounds, providing optimal efficiency for air filtration systems.

CTC Adsorption Index: Carbon Tetra Chloride (CCl₄) is an index that indicates the ability of activated carbon to adsorb or remove gases or compounds of Carbon Tetrachloride (CCl₄) from the environment. It reflects the effectiveness of activated carbon in treating volatile organic compounds, especially in air and water filtration systems.

Model:

CS-G Coconut Shell - GAC Granular Activated Carbon	S 50% CTC T 55% CTC X 60% CTC Y 75% CTC Z 85% CTC	048 Mesh: 4x8 (2,38mm – 4,75mm)	 
CB-E Carbon-EAC Extruded Activated Carbon		003 Diameter 3 mm	

Shape of Activated Carbon

Granular Activated Carbon (GAC): This type of activated carbon has larger, irregularly shaped particles, suitable for industrial air filtration systems and large-scale gas treatment. With high adsorption capacity, stable airflow, and easy regeneration, GAC is an optimal choice for applications requiring the treatment of contaminated gases, odors, and organic compounds. Granular activated carbon is produced in various sizes to meet the specific needs of different systems and fields. The most common classifications on the current air filtration market include:

- Size 3x6 mesh (3,35mm – 6,73mm): Very large size
- Size 4x8 mesh (2,38mm – 4,75mm): Large size.

Extruded Activated Carbon (EAC): Compressed into cylindrical or pellet shapes, EAC has superior mechanical strength, produces little dust, and is suitable for small air filters, gas masks, and high-durability systems. Thanks to its ability to remove toxic gases, odors, and volatile organic compounds, EAC provides high efficiency in compact air filtration applications.

Advantages of EAC:

- Optimizes performance
- Helps minimize pressure drop in gas flows
- Reduces dust generation and enhances mechanical strength, preventing breakage during operation
- Easy to replace and clean. Longer lifespan compared to granular form

Model	Target gas	Media
CS-GS048	VOCs light, hydrocarbon, general odours	Coconut shell-based granular activated carbon, Mesh size: 4x8
CB-EX003	VOCs, hydrocarbon, general odours	Extruded activated carbon originating from coal, 3mm diameter

Activated carbons can adsorb the following materials (green words):

ALIPHATIC

acetilene
iso butane
butylene
cyclohexane
n-decane
ethane
ethllene/ethylene
n-heptane
heptylene
hexane
hexylene
methane
n-nonane
n-octane
n-octylene
pentane
propane
propylene

AROMATIC

benzene
naphthalene/naphthalene
styrene monmer/ styrene monomer
toluene
toluidine
xylene

ACIDS

acetic
acetic anhydride
acrylic
butyric
caprylic
carbolic
formic
lactic
palmitic/palmitic
phenol
propionic
valeric

ESTERS

butyl acetate
cellosolve acetate
athyl aceatate/ ethyl acetate
ethyl acrylate
ehthyl formate
isopropyl acatate/ isopropyl acetate
methyl acetate
methyl acrtlate
methyl fotmate/ methyl formate
propyl acetate

ALDEHYDES & KETONES

acetone
acetaldehyde
acrolein
acryraldehyde
benaldehyde/ benaldehyde
butyraldehyde
caproaldehyde
crononaldehyde
cyclonexanone/ cyclodexanone
diethyl ketone
depropyl kenone
formanaldehyde
mesityl oxide
methyl butylketone
methyl ethylketone
methyl isobutylketone/ methyl isobutyl ketone
propionadbehyde
valeric aldehyde

SULPHUR COMPOUNDS

carbon disulphide
dimethyl sulphate
ethyl mercaptan
hydrogen sulphide
mercaptans
methyl mercaptan/ methyl mercaptan
propyl mercaptan
sulphur dioxide
sulphur trioxide
sulphuric acid
tetrahydrothiophene

NITROGEN COMPOUNDS

ammonio
amines
aniline
deethyl amine
diethyl aniline
diemethyl amine/ dimethyl amine
ethyl amine
indole
nicotine
nitric acid fumes
nitriobenzene/ nitrobenzene
nitrioethane/ nitromethane
nitrogen dioxide
nitroglycerine
nitromethane
nitropropane
nitrotoluene
pyridine
urea
urie acid/ uric acid

REMARKS:

1. Activated carbons (not only EAC, but GAC) can adsorb the above materials which marked by green colour; or we didn't have a test before;
2. It doesn't mean the others (black words) can not be adsorbed by activated carbons, but means we know little about that material
3. The adsorption effect mainly depends on the activated carbons' Iodine No. or CTC value, and air velocity, material concentration, atmospheric pressure, temperature and other factors;
4. Some materials like Aldehydes & Ketones need add catalysts for adsorbing.



Activated carbons can adsorb the following materials (green words):

ETHERS

amyl
butyl
cellosolve
dioxan
ethyl
ethylene oxide
isopropyl
methyl cellosolve
methyl
propyl

HALOGEN

bramine/ bromine
butyl chloride
carbon tetrachloride
chloride
chlorobencene/ chlorobenzene
chlorobutadiene
chloroform
chloro nitropropane/chloro nitropropane
chloro picrin
dibromoethane
dichlorobenzene
dichlorodifluoro methane
dichlorodifluoro ethane
dichlorethane
dichloroethylene
dichloroethyl ether
dichloromethane
dichloromonofluoro methane
dichloropropane
dichlorotetrafluoro ethane
ethyl bromide
ethyl chloride
ethylene chlorohydrin
ethylene dichloride
fluorotrichloromethane
freon

hydrogen bromide
hydrogen chloride/ hydrogen chloride
hydrogen cyanide
hydrogen fluoride
hydrogen iodine
Iodine
Iodoform/ chloroform
methyl bromide
methyl chloride/ methyl chloride
methyl chloroform/ methyl chloroform
methylene chloride
monochlorobenzene
monofluorotrichloro methane
paradichlorobenzene
perchloroethylene/ perchloroethylene
phosgene
propyl chloride
tetrachloro ethane
tetrachloro ethylene/ tetrachloro ethylene
vinyl chloride/ vinyl chloride

ALCOHOLS

athyl/ ethyl
amyl
butyl
cyclonexonal/ cyclohexanol
isopropyl
methonol(methyl)/ methanol
propyl/ propyl

ODOUR OF MISCELLANEOUS

adhesives
animal odours
camphor
carbon dioxide
citrus fruits
cooking odours
degreasing solvents
deodorisers
detergents
hospital odours
human odours
leather
ozone
nicotine
perfumes
petrol
purifying odours
putrescine
produce of incomplete
plastic
poultry odours
rancid oils and fats
resins
rubber
stale odours
odours from stables/ odours from stables
tar odours
tobacco smoke
toilet odours
turpentine
varnish
ventilation systems
vinager/ vinegar
wood alcohol

OTHERS

benzin
kerocene
repugnant substance

REMARKS:

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- The adsorption effect mainly depends on the activated carbons' Iodine No. or CTC value, and air velocity, material concentration, atmospheric pressure, temperature and other factors;
- Some materials like Aldehydes & Ketones need add catalysts for adsorbing.

