

# AIR FILTER TECHNOLOGY

## SAFE CHANGE FILTER HOUSING - BIBO

### Specifications

- Versatile modular system
  - Robust and strong construction
  - Self-adjusting filter sealing mechanism
  - Available powder coated or stainless steel connection
  - Differential manometer connection port for each stage filter
  - Single or multiple filter stages with overall filter heights
  - Optional aerosol injection and particle measurement connection
- ✓ Safe Change Filter Housing (USCH) designed to filtrate particles, aerosols and to protect service staff and the environment against to unsanitary conditions which may create toxics.
  - ✓ USCH can provide a filter change free of contamination. Each housing is equipped with a fully sealed bag (BIBO) system to protect of people, process and environment. Wide range of particule and chemical filters can be used in the in the unit.
  - ✓ Special design is available depending on filtration stage and air volume.
  - ✓ Test groove for leak testing of the gasket seal between main filter and housing.
  - ✓ Each USCH has its own filter changing table to change filters easily and safely by one person.
  - ✓ Ulpatek R&D department work on safe, reliable and user friendly configurations. Our approach provide advantages to customer to reduce their total costs, to enhance system performance and to benefit human health.
  - ✓ The highest quality Ulpatek's products offer customers air filters with the longest life, the lowest operating and maintenance costs.



### Field of application



- Pharmaceutical Plants
- Radioactive Isotope Laboratories
- Hospital installation in nuclear medicine



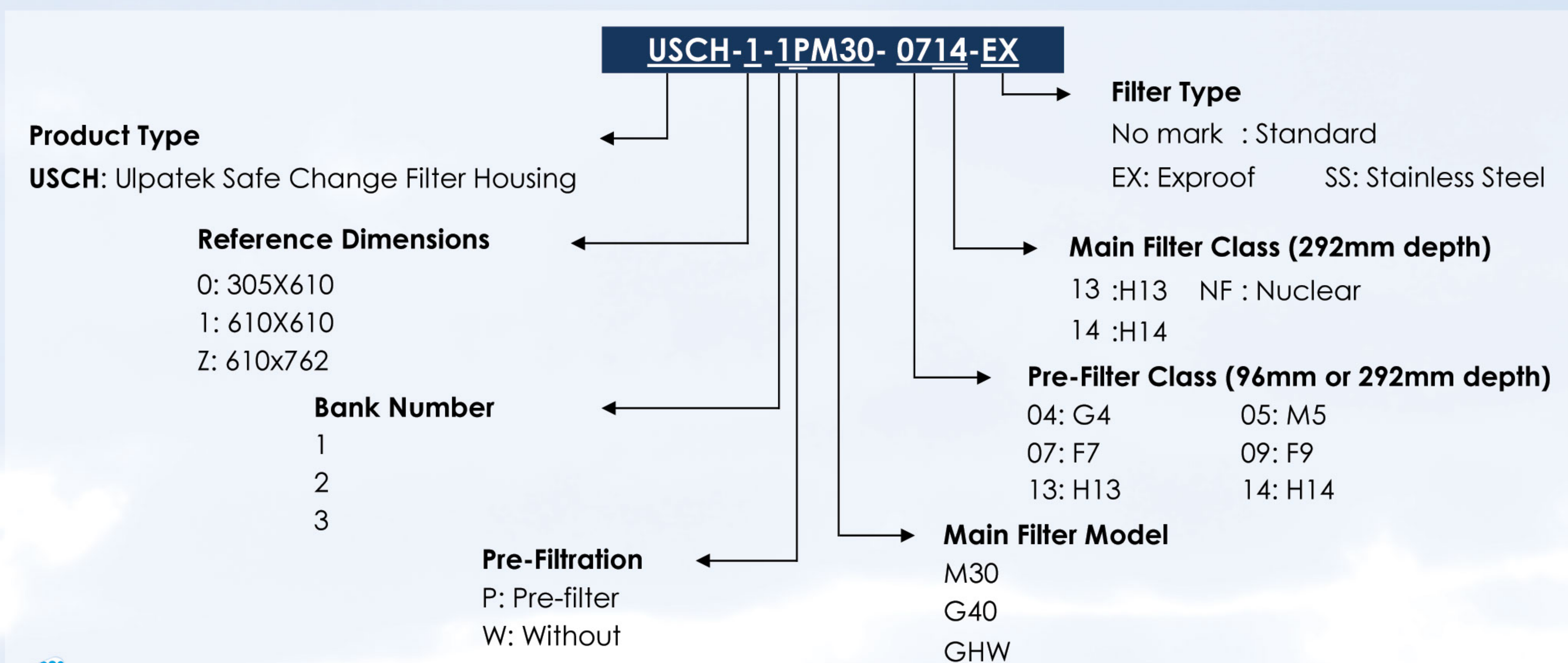
- Nuclear Power Plants
- Epidemic and Isolation Products
- Biotechnical Facilities



- Animal Facilities
- Chemical Industries
- Safety Laboratories

Ulpatek Code	Air Flow (m <sup>3</sup> /h)	Pre Filtration (EN779)	Particulate (EN1822)	Min. Efficiency (0,3 µm) (%)	Min. Efficiency (MPSS) (%)
USCH-1-0PM30-0713	1.500	F7 / (F9)	H13 / (H14)	99,99	99,95
USCH-1-1PM30-0713	3.000	F7 / (F9)	H13 / (H14)	99,99	99,95
USCH-1-2PM30-0713	6.000	F7 / (F9)	H13 / (H14)	99,99	99,95
USCH-1-3PM30-0713	9.000	F7 / (F9)	H13 / (H14)	99,99	99,95
USCH-1-4PM30-0713	12.000	F7 / (F9)	H13 / (H14)	99,99	99,95
USCH-1-5PM30-0713	15.000	F7 / (F9)	H13 / (H14)	99,99	99,95
USCH-1-6PM30-0713	18.000	F7 / (F9)	H13 / (H14)	99,99	99,95

\* special design available on request



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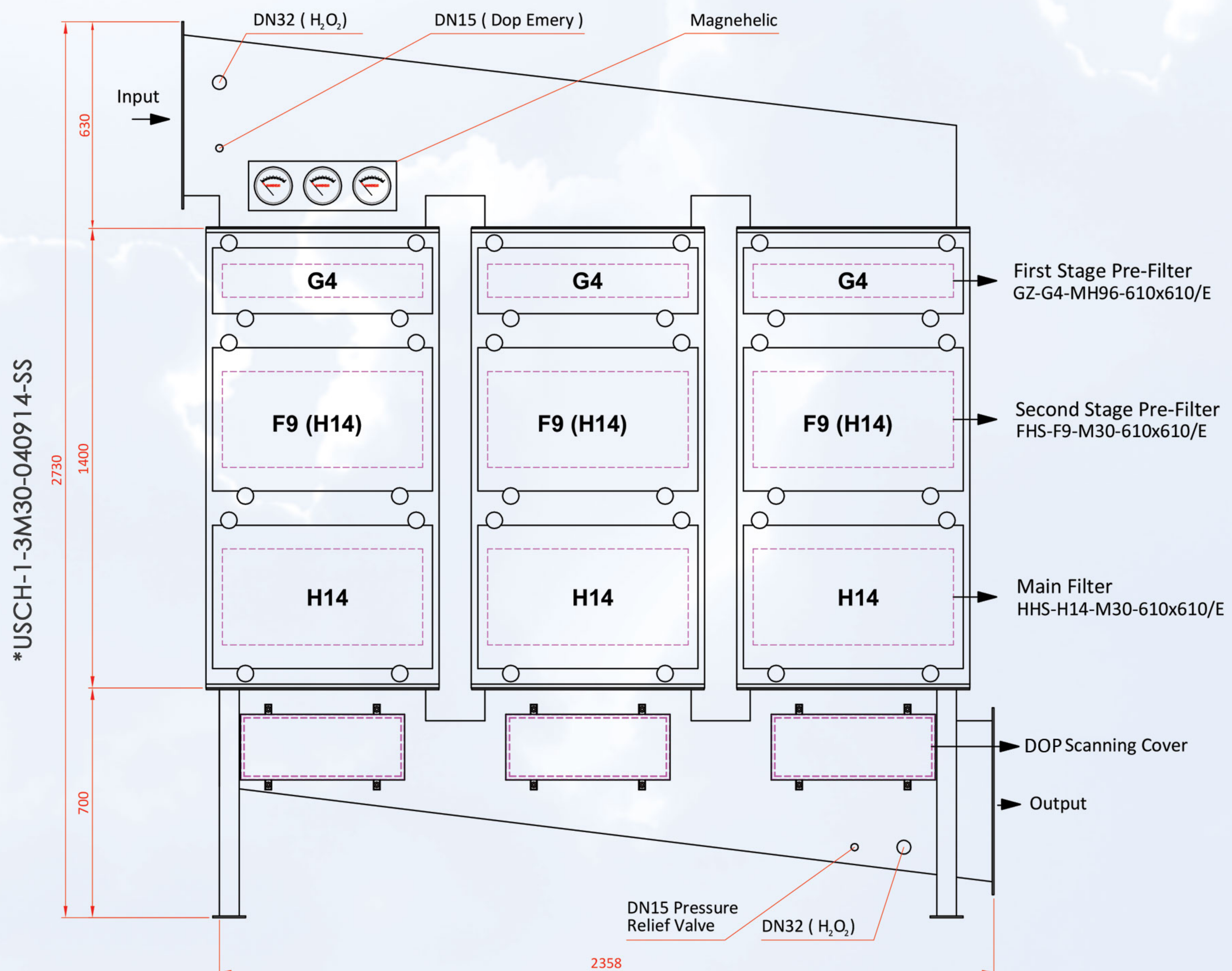
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### Leakproof Construction

Metal body of safe change filter housing has bisulcate flange connection. This structure provides a safe tightness. Filter change is carried out untouched by human hands. Service staff do not have to touch neither filter nor inner side of cabin. ULPATEK Safe Change Filter Housing has a pre-filter option according to request one or multiple stages. Body surface of cabin is powder coated with a colour you preferred and can be disinfected. Service covers are closed very tightly with spline sealed bolt and cross-slotted bolt. Filter monitoring can be done by magnehelic manometers with the pressure nozzles that are located on the unit.



Ulpatek Safe Change Unit has been utilized in BSL3 & BSL4 type applications where the need for decontamination is required.

### Accessories

#### BIBO Bag Sealing Equipments

- Pressing Tool
- Hot Knife
- Cable Tie

#### BIBO Plastic Bags and Sealing O-Rings for USCH (292mm Modul)

- USCH-Bag-292
- USCH-Rubber-292
- BIBO Plastic Bag
- BIBO O-Rings

#### BIBO Plastic Bags and Sealing O-Rings for USCH (100mm Modul)

- USCH-Bag-100
- USCH-Rubber-100
- BIBO Plastic Bag
- BIBO O-Rings



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## FILTER SELECTION

### Pre - Filters



GZ - Z-Line Filter



FP - Panel Filter



FHS - High Capacity Single Pleat Filter

Ulpathek Filter Name	Filter EN 779	Size (WxHxD) (mm)	Media Surface (m <sup>2</sup> )	Air Flow (m <sup>3</sup> /h)	Pressure Drop (Pa)
GZ - Z-Line Filter	G4	305x610x96	1,5	1600	60
GZ - Z-Line Filter	G4	610x610x96	2,5	3200	60
GZ - Z-Line Filter	G4	610x762x96	3,2	4000	60
FP - Panel Filter	F7	305x610x96	6,0	1500	90
FP - Panel Filter	F7	610x610x96	12,0	3000	90
FP - Panel Filter	F7	610x762x96	15,0	3750	90
FHS - High Capacity Single Pleat	F9	305x610x292	12,0	2000	130
FHS - High Capacity Single Pleat	F9	610x610x292	24,0	4000	130
FHS - High Capacity Single Pleat	F9	610x762x292	30,0	5000	130

### Main Filters



HHS - High Capacity HEPA Single Pleat Filter



HHV - High Capacity HEPA V-Modul Filter



NF - Nuclear Filter

Ulpathek Filter Name	Filter EN 1822	Size (WxHxD) (mm)	Media Surface (m <sup>2</sup> )	Air Flow (m <sup>3</sup> /h)	Pressure Drop (Pa)
HHS - High Capacity Single Pleat	H13	305x610x292	13,0	1500	250
HHS - High Capacity Single Pleat	H13	610x610x292	26,0	3000	250
HHS - High Capacity Single Pleat	H13	610x762x292	32,5	3750	250
HHV - High Capacity V-Modul	H14	305x610x292	20,0	2000	300
HHV - High Capacity V-Modul	H14	610x610x292	40,0	4000	300
HHV - High Capacity V-Modul	H14	610x762x292	50,0	5000	300
NF - Nuclear Filter	H13	305x610x292	18,5	1700	300
NF - Nuclear Filter	H13	610x610x292	37,0	3400	300
NF - Nuclear Filter	H13	610x762x292	46,3	4250	300

- ✓ Carbon Chemical Filters are available to eliminate various gases
- ✓ Special filters designs are available on request



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