F21

High efficiency filters (E10, E12)
Absolute filters (H13, H14)

Product F21

Filter media simple glass fibre,
water-repellent and with reinforced structure
multilayer. Separators: thermoplastic wire
Gasket: black expanded PU without joints

Frame Galvanized Steel

CONSTRUCTION FEATURES
Filter material: plain glass fibre, water-repellent and reinforced multilayer structure.
Separators: thermoplastic wire.
Frame: galvanized steel. Gasket: black expanded PU without joints.

APPLICATIONS
Ventilation and air conditioning systems and ultra-high efficiency final filtration in the electronic, pharmaceutical, photographic industries and painting systems; environments with controlled atmosphere and high degree of sterilization, such as operating rooms and analysis laboratories.

TECHNICAL FEATURES

	F21
Maximum operating temperature	80°
Maximum operating relative humidity	100%
Recommended final pressure drop	2xPa initial
Maximum final pressure drop	800 Pa
Maximum air velocity	1,8 m/s

INSTALLATION

Regardless of the installation position, F21 absolute filters always allow the use of the entire filter surface. Installation of suitable high efficiency pre-filters is recommended to increase their operating life. Frames and housings are available for correct and easy installation.

MAINTENANCE

This type of filter is not regenerable, therefore complete filter replacement is recommended when the recommended final pressure drop is reached.

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DIMENSIONS

Efficiency E10 Depth 292 EN1822 E ≤ 85% MPPS - ΔP = 115 Pa		
Dimensions	Nominal Flow Rate m^3/h	Filter Surface m^2
610x305x292	1015	9,2
610x610x292	2170	19,8

Efficiency E12 Depth 292 EN1822 E ≤ 99.5% MPPS - ΔP = 140 Pa		
Dimensions	Nominal Flow Rate m^3/h	Filter Surface m^2
610x305x292	1015	9,2
610x610x292	2170	19,8

Efficiency H13 Depth 150 EN1822 E ≤ 99.95% MPPS - ΔP = 250 Pa		
Dimensions	Nominal Flow Rate m^3/h	Filter Surface m^2
305x305x150	310	2,7
457x457x150	750	6,1
592x592x150	1230	10,5
610x305x150	664	5,5
610x610x150	1190	10,2

Efficiency H13 Depth 292 EN1822 E ≤ 99.95% MPPS - ΔP = 250 Pa		
Dimensions	Nominal Flow Rate m^3/h	Filter Surface m^2
287x592x292	1040	9,0
305x305x292	520	4,9
592x592x292	1975	18,7
610x305x292	1060	9,2
610x457x292	1670	1,0
610x610x292	2250	19,8
610x762x292	2755	24,8

Efficiency H14 Depth 150 EN1822 E ≤99.995% MPPS - ΔP = 280 Pa		
Dimensions	Nominal Flow Rate m^3/h	Filter Surface m^2
305x305x150	310	2,7
305x610x150	664	5,5
457x457x150	750	6,1
592x592x150	1230	10,5

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High efficiency filters (E10, E12)
Absolute filters (H13, H14)

Efficiency H14 Depth 292 EN1822 E ≤ 99.995% MPPS - ΔP = 280 Pa		
Dimensions	Nominal Flow Rate m^3/h	Filter Surface m^2
287x592x292	1040	9,0
305x305x292	520	4,9
305x610x292	1060	9,2
457x457x292	1160	11,1
457x610x292	1670	15,0
592x592x292	1975	18,7
610x610x292	2250	19,8
610x762x292	2755	24,8