

Filtro Cell C

Synthetic Mini-Pleat Panel Filters



Key Features

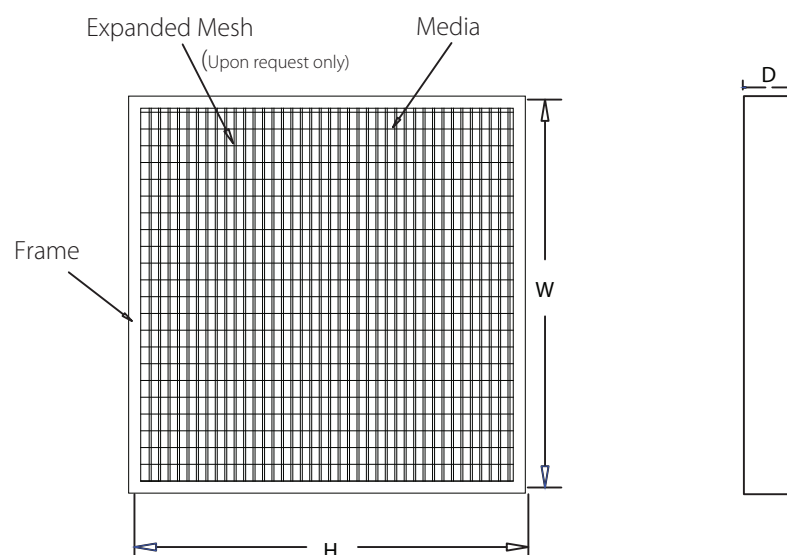
- Large filter surface
- Self-supporting and rigid
- High burst strength
- Long service life
- Easy installation
- Low pressure drop
- Light weight
- Small transport volume
- **UL Listed**

- ▼ **Filter Standard** ASHRAE 52.2 / EN 779 / ISO 16890
- ▼ **Frame Type** Plastic / Metal / Cardboard
- ▼ **Header Style** No header / Single header (up on request)
- ▼ **Media** Synthetic
- ▼ **Separator** Hotmelt
- ▼ **Sealing component** Polyurethane
- ▼ **Efficiency** M6 to F9 / MERV11 to MERV15
- ▼ **Max. Operating Temperature** 80°C / 176°F
- ▼ **Final Pressure Drop** 450 Pa / 1.8" WG (Recommended)
- ▼ **Gasket** Without (Available upon request)

Filtro Cell C filters are the new-generation type high-efficiency mini-pleat panel filters available in a wide range of efficiencies from M6 to F9 (MERV11 to MERV15). These filters are designed for HVAC installations requiring the highest degree of air cleanliness. The compact design, larger surface area and low initial resistance make it an ideal alternative to ordinary bag filters and box-type filters of the similar efficiencies.

Construction

Filtro Cell C utilizes 100% synthetic filter media made from a modified melt-blown process with graded fiber density, ensuring coarse fibers upstream and fine fibers downstream. The media is closely pleated adding thermoplastic bead separators that provide a unique V configuration to the pleats and accommodates a very large quantity of filter media. The low initial pressure drop, longer service life and the compact design make it an ideal design for all types of air conditioning installations. The Filtro Cell C filters are available in plastic or metal frames. The filter media used is inherently anti-microbial and so it inhibits the growth of micro organisms.



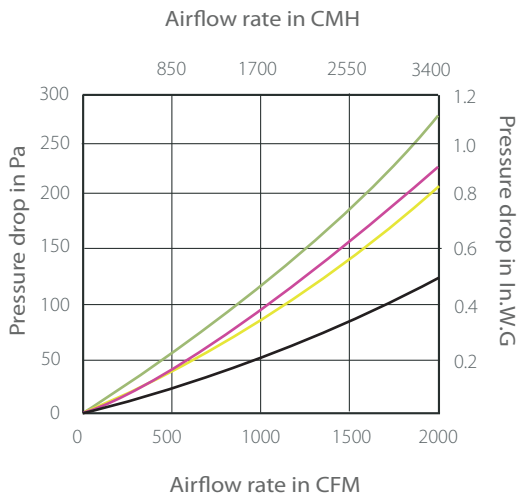


Performance Data

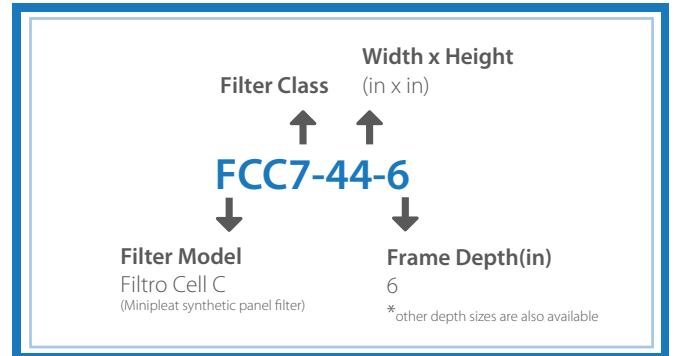
Filter Model	Actual Size (mm)	Nominal Size (in)	AirFlow (CMH/CFM)	Initial Resistance to Airflow (Pa / In.W.G)			
				65%/M6/MERV 11	85%/F7/MERV 13	95%/F8/MERV14	98%/F9/MERV15
FCC-EFF*-44-6	592x592x150	24x24x6	3400/2000	95/0.38	123/0.49	165/0.66	185/0.74
FCC-EFF*-24-6	287x592x150	12x24x6	1700/1000	95/0.38	123/0.49	165/0.66	185/0.74
FCC-EFF*-44-4	592x592x98	24x24x4	3400/2000	100/0.4	128/0.51	171/0.68	193/0.77
FCC-EFF*-24-4	287x592x98	12x24x4	1700/1000	100/0.4	128/0.51	171/0.68	193/0.77
FCC-EFF*-04-4	490x592x98	20x24x4	2800/1647	100/0.4	128/0.51	171/0.68	193/0.77
FCC-EFF*-84-4	1200x592x98	48x24x4	6800/4000	100/0.4	128/0.51	171/0.68	193/0.77
FCC-EFF*-44-2	592x592x48	24x24x2	3400/2000	122/0.49	205/0.82	230/0.92	265/1.06
FCC-EFF*-24-2	287x592x48	12x24x2	1700/1000	122/0.49	205/0.82	230/0.92	265/1.06
FCC-EFF*-04-2	490x592x48	20x24x2	2800/1647	122/0.49	205/0.82	230/0.92	265/1.06
FCC-EFF*-84-2	1200x592x48	48x24x2	6800/4000	122/0.49	205/0.82	230/0.92	265/1.06
FCC-EFF*-44-1	592x592x24	24x24x1	3400/2000	253/1.01	.....	.....	.....
FCC-EFF*-24-1	287x592x24	12x24x1	1700/1000	253/1.01	.....	.....	.....
FCC-EFF*-04-1	490x592x24	20x24x1	2800/1647	253/1.01	.....	.....	.....
FCC-EFF*-84-1	1200x592x24	48x24x1	6800/4000	253/1.01	.....	.....	.....

Airflow vs Initial Resistance

— M6/MERV11 — F7/MERV13 — F8/MERV14
— F9/MERV15



Model Details Breakdown



Frame	Plastic / Metal / Cardboard
Media	Synthetic
Separator	Hotmelt
Sealant	Polyurethane
Max.operating temp.	80°C / 176°F
Efficiency standard	ASHRAE 52.2 / EN 779 / ISO 16890
Nominal air flow	3400 CMH / 2000 CFM
Final pressure drop	450 Pa / 1.8" WG
Gasket	Upon request

Available upon request	Glass fiber media (Filtro Cell CG)
	Expanded mesh support
	Bar support

Our Group Companies and Global Network



All data are average indicative values with usual manufacturing and testing tolerances. We reserve the right to modify performance data without prior notices due to the constant technical improvement.

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