

# Filtro Cell SVGT Burst Safe

## Synthetic Mini Pleat

## Compact Filters



### Key Features

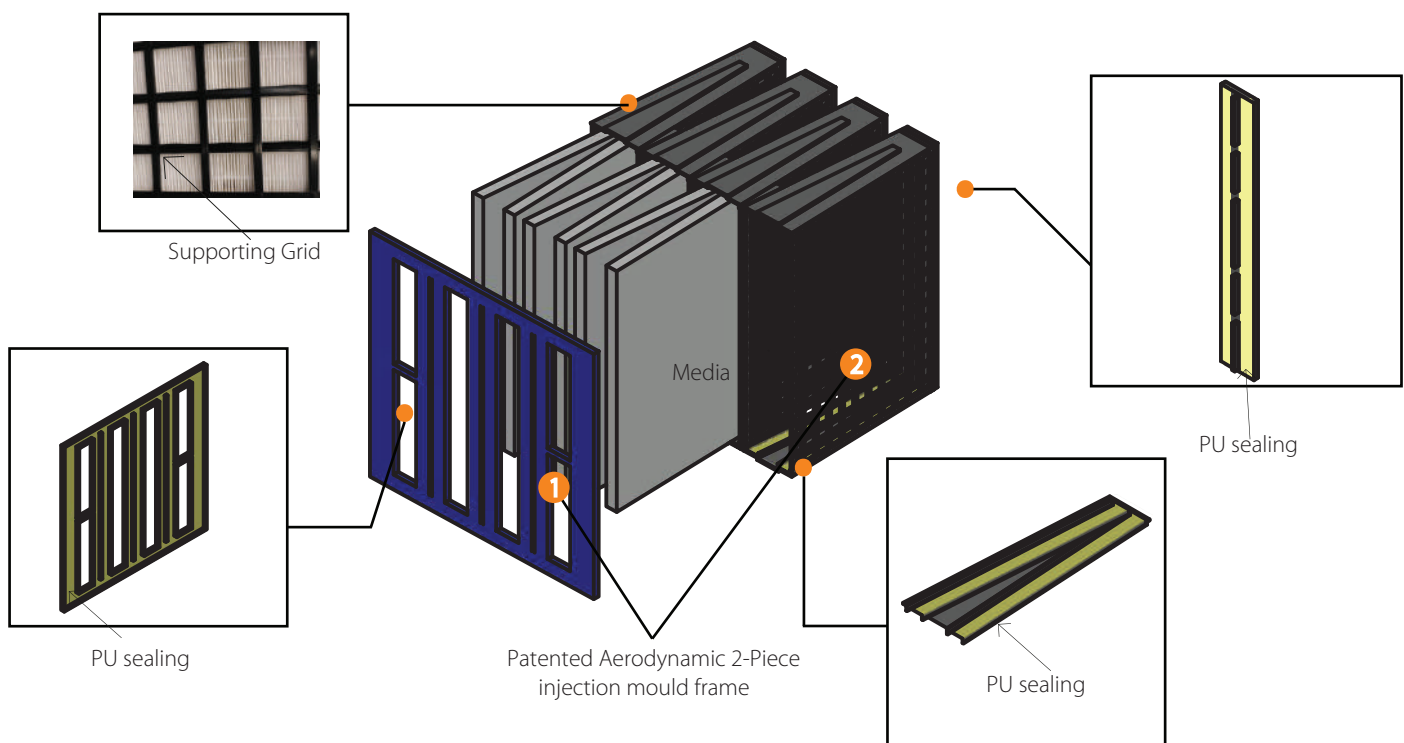
- Patented 2-Piece injection mould frame
  - Synthetic media for excellent mechanical strength
  - Less maintenance and energy consumption
  - Fully incinerable without pollutant emission
  - High Burst strength > 10000 Pa (40" W.G)
  - Low pressure drop
  - Easy installation
  - Long service life
- ▼ **Filter Standard** ASHRAE 52.2 / ISO 29461-1:2021
  - ▼ **Frame Type** Injection molded plastic
  - ▼ **Colour** Blue / Black
  - ▼ **Header Size** Available in 20 & 25 mm
  - ▼ **Media** Synthetic
  - ▼ **Separator** Hotmelt
  - ▼ **Sealing component** Two component polyurethane
  - ▼ **Efficiency** M6 to E12 / MERV11 to MERV17

**Filtro Cell SVGT Burst safe** is a high-efficiency air inlet filter designed for second or third stage filtration in gas turbine systems. It offers protection ranging from M6/MERV 11 up to E12/MERV17. Filtro Cell SVGT Burst Safe models have high burst resistance, low pressure drop, excellent mechanical strength and high dust holding capacity for extreme operating conditions like Gas turbine air intake filtration etc.

### Construction

**Filtro Cell SVGT / XXL Burst safe** filters are made up of water resistant synthetic paper fiber filter media, closely pleated and separated by continuous thermo-plastic bead separators. The Mini-Pleated media packs are arranged in a perfect V design, fully potted and sealed to the enclosing frame. This high efficiency enhances gas turbine performance while reducing operating and maintenance costs.

**Our two-piece frames are specifically engineered with an integrated backing grid to support each media panel, ensuring reliable protection even under harsh operating conditions. Filters are absolutely metal free and so are incinerable and environmentally friendly.**

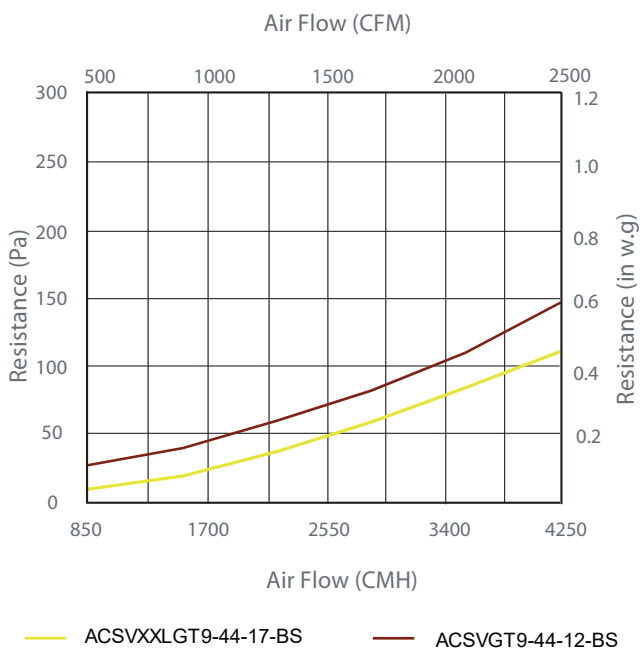




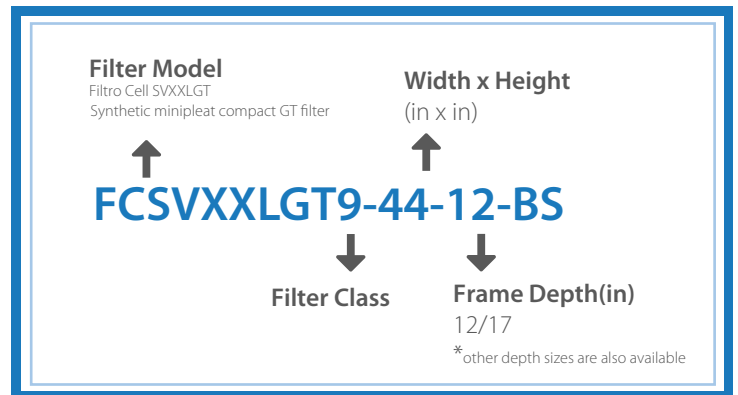
# Performance Data

Filter Model	Nominal Size (in)	Actual Size		Media Area (m <sup>2</sup> )	ASHRAE 52.2 / ISO29461-1:2021	Rated Air Flow (CMH/CFM)	Initial Resistance (pa / in.w.g)
		(mm)	(in)				
Filtro Cell SVGT - XXL - 17" / 430mm depth							
FCSVXLGT12-44-17-BS	24X24X17	592X592X430	23.31X23.31X16.9	32	...../ E12	3400/2000	280 / 1.12
FCSVXLGT11-44-17-BS	24X24X17	592X592X430	23.31X23.31X16.9	32	...../ E11	4250/2500	170 / 0.68
FCSVXLGT10-44-17-BS	24X24X17	592X592X430	23.31X23.31X16.9	32	MERV 16 / E10	4250/2500	160 / 0.64
FCSVXLGT9-44-17-BS	24X24X17	592X592X430	23.31X23.31X16.9	32	MERV 15 / F9	4250/2500	110 / 0.44
FCSVXLGT8-44-17-BS	24X24X17	592X592X430	23.31X23.31X16.9	32	MERV 14 / F8	4250/2500	98 / 0.39
Filtro Cell SVGT - 12" / 292mm depth							
FCSVGT12-44-12-BS	24X24X12	592X592X292	23.31X23.31X11.5	21.5	...../ E12	3400/2000	350 / 1.4
FCSVGT11-44-12-BS	24X24X12	592X592X292	23.31X23.31X11.5	21.5	...../ E11	4250/2500	280 / 1.12
FCSVGT10-44-12-BS	24X24X12	592X592X292	23.31X23.31X11.5	21.5	MERV 16 / E10	4250/2500	230 / 0.92
FCSVGT9-44-12-BS	24X24X12	592X592X292	23.31X23.31X11.5	21.5	MERV 15 / F9	4250/2500	147 / 0.59
FCSVGT8-44-12-BS	24X24X12	592X592X292	23.31X23.31X11.5	21.5	MERV 14 / F8	4250/2500	132 / 0.53

## Airflow vs Initial Resistance



## Model Details Breakdown



Type	Synthetic minipleat compact filter
Frame	Injection molded plastic
Media	Synthetic
Separator	Hotmelt
Sealant	Polyurethane
Header	Available in 20mm and 25mm
max.operating temp.	80°C / 176°F
Burst Strength	10000Pa / 40" W.G
Gasket	Single piece PU foam
Final pressure drop	450 Pa / 1.8" WG
Nominal air flow	4250 CMH / 2500 CFM
Efficiency standard	ASHRAE 52.2 / ISO 29461-1:2021

Available upon request	Reverse flow configuration(Filtro cell SVGTR)
	Additional media efficiency
	XL pleat ( Media area ~ 38m <sup>2</sup> )
	Glass fiber media (Filtro Cell VGT)

## 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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