

# ENERGY MODEL V-COMPACT FILTER



## Applications:

Capturing fine particles  
Second or final stage filter in HVAC  
Pre-filter for HEPA filters

## Highlights:

- Eurovent certified
- Large filtration area
- Simple and light weight
- High dust holding capacity
- Low initial pressure drop

|                                   |                                                                        |                             |                            |
|-----------------------------------|------------------------------------------------------------------------|-----------------------------|----------------------------|
| Filter Standard:                  | ISO 16890                                                              | Max. Operating Temperature: | 80°C                       |
| Filter Class:                     | ISO ePM1- ISO ePM2,5 - ISO ePM10                                       | Faceguard:                  | Available on request       |
| Media:                            | Glass Fiber                                                            | Gasket:                     | Available on request       |
| Frame:                            | Polystyrene (PS)                                                       | Sealing Compound:           | Two component polyurethane |
| Rec. Final Pressure Drop EN13053: | Initial $\Delta P$ +100 Pa or initial $\Delta P$ x3 whichever is lower | Separators:                 | Hotmelt                    |

| Filter Model            | Filter Class       |           | Filtration Area (m <sup>2</sup> ) | Nominal Airflow (m <sup>3</sup> /h) | N. Initial Pressure Drop (Pa) | Rated Airflow (m <sup>3</sup> /h) | R. Initial Pressure Drop (Pa) | Energy Class |
|-------------------------|--------------------|-----------|-----------------------------------|-------------------------------------|-------------------------------|-----------------------------------|-------------------------------|--------------|
|                         | EN 779 (cancelled) | ISO 16890 |                                   |                                     |                               |                                   |                               |              |
| FVE-M6-287-592-292-FW-W | M6                 | ePM10 75% | 9                                 | 2125                                | 100                           | 1700                              | 70                            | E            |
| FVE-M6-490-592-292-FW-W | M6                 | ePM10 75% | 14,5                              | 3500                                | 100                           | 2700                              | 70                            | E            |
| FVE-M6-592-592-292-FW-W | M6                 | ePM10 75% | 18                                | 4250                                | 100                           | 3400                              | 70                            | E            |
| FVE-F7-287-592-292-FW-W | F7                 | ePM1 55%  | 9                                 | 2125                                | 110                           | 1700                              | 80                            | D            |
| FVE-F7-490-592-292-FW-W | F7                 | ePM1 55%  | 14,5                              | 3500                                | 110                           | 2700                              | 80                            | D            |
| FVE-F7-592-592-292-FW-W | F7                 | ePM1 55%  | 18                                | 4250                                | 110                           | 3400                              | 80                            | D            |
| FVE-F8-287-592-292-FW-W | F8                 | ePM1 75%  | 9                                 | 2125                                | 130                           | 1700                              | 90                            | D            |
| FVE-F8-490-592-292-FW-W | F8                 | ePM1 75%  | 14,5                              | 3500                                | 130                           | 2700                              | 90                            | D            |
| FVE-F8-592-592-292-FW-W | F8                 | ePM1 75%  | 18                                | 4250                                | 130                           | 3400                              | 90                            | D            |
| FVE-F9-287-592-292-FW-W | F9                 | ePM1 85%  | 9                                 | 2125                                | 150                           | 1700                              | 100                           | B            |
| FVE-F9-490-592-292-FW-W | F9                 | ePM1 85%  | 14,5                              | 3500                                | 150                           | 2700                              | 100                           | B            |
| FVE-F9-592-592-292-FW-W | F9                 | ePM1 85%  | 18                                | 4250                                | 150                           | 3400                              | 100                           | B            |

"Other dimensions are available on request."

"Differential Pressure Tolerance ( ±10% + 5 Pa ) or ( 10 Pa + 5 Pa ) whichever is greater"

## ENERGY MODEL V-COMPACT FILTER CODE CONFIGURATION

| Filter Type                          | Filter Class         | Dimensions (mm) | Faceguard                                                    | Gasket                                                                                                     |
|--------------------------------------|----------------------|-----------------|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| FVE : Energy Model, V-Compact Filter | M6<br>F7<br>F8<br>F9 | 592x592x292     | FW : Without<br>FC2: On 2 Edge Sides<br>FC8: On 8 Edge Sides | W: Without<br>P: Continuous Pu Foam<br>PP: Pu Foam on Both Sides<br>E: EPDM<br>EE: EPDM Flat On Both Sides |

