Filtrowin Industries

# Filtro Cell GT

## Deep Pleated Medium Filters For GT

## Key Features

- Deep pleated aluminium separator
- Low pressure drop
- Long service life
- High burst strength
- Easy installation
- Compact and strong construction
- **UL Listed**

- **Filter Standard** ASHRAE 52.2 / EN779 / ISO 16890
- **Frame Type** GI
- **Header** Double header
- **Standard Header Size** Available in 20 & 25 mm
- **Media** Glass-Fiber
- **Efficiency** M6 to F9 / MERV11 to MERV15
- **Max. Operating Temperature** 150°C / 302°F
- **Final Pressure Drop** 450 Pa / 1.8" WG
- **Gasket** Neoprene

**Filtro Cell GT** filters are deep pleated box style filters with medium efficiencies. It is made from micro-fine fiber-glass paper media and comes with metal frames. Filters are available in M6 to F9 efficiencies. We offer this in a double header construction. These filters are specially designed to operate in harsh conditions such as gas turbines and Air Intake Applications.

## Construction

### Filter Media

**Filtro Cell GT** filters are manufactured from continuous length superior quality micro glass fiber paper media available in M6 to F9 efficiencies. The filter media is moisture resistant and fire retardant. The uniform and closed pleat filter pack grants a high media area to hold the very fine dusts. This media withstand up to 150 degree Celsius

### Filter Frames

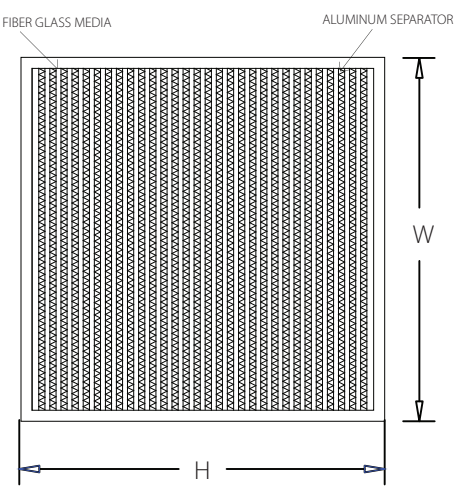
The standard frame construction is in Galvanized steel (16,18 or 24gauge). Filter comes with a double header flange. Both side protection mesh is also provided

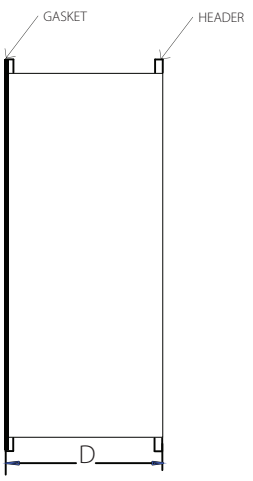
### Media Separators

In Filtro Cell GT filters, the pleated media is evenly and accurately positioned by corrugated aluminium separators having hemmed edges to add strength and to protect the media pack

### Filter Testing

The finished filters undergo a thorough quality checking They are scan-tested individually to ensure a leak-proof performance and each filter possess the label showing the scan test result on it. We have testing facilities as per EN 779/ASHRAE 52.2 Standard. Testing of filters can be done according to customer's request.



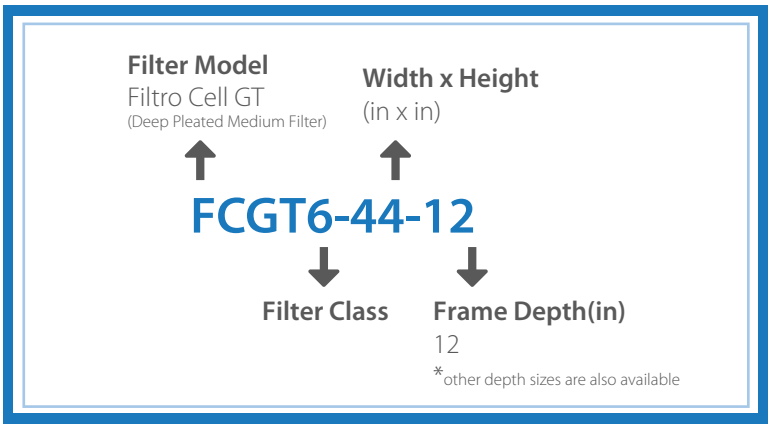



## Performance Data

| Filter Model | Actual Size (mm) | Actual Size (in) | Nominal Size (in) | ASHRAE 52.2 / EN 779 : 2012 | Rated Air Flow (CMH/CFM) | Initial Resistance (pa / in.w.g) |
|---|---|---|---|---|---|---|
| FCGT6-44-12 | 592X592X292 | 23.31X23.31X11.5 | 24X24X12 | MERV 11/M6 | 4250/2500 | 110 / 0.44 |
| FCGT6-24-12 | 287X592X292 | 11.3X23.31X11.5 | 12X24X12 | MERV 11/M6 | 2125/1250 | 110 / 0.44 |
| FCGT8-44-12 | 592X592X292 | 23.31X23.31X11.5 | 24X24X12 | MERV 14/F8 | 4250/2500 | 165 / 0.66 |
| FCGT8-24-12 | 287X592X292 | 11.3X23.31X11.5 | 12X24X12 | MERV 14/F8 | 2125/1250 | 165 / 0.66 |
| FCGT9-44-12 | 592X592X292 | 23.31X23.31X11.5 | 24X24X12 | MERV 15/F9 | 4250/2500 | 195 / 0.78 |
| FCGT9-24-12 | 287X592X292 | 11.3X23.31X11.5 | 12X24X12 | MERV 15/F9 | 2125/1250 | 195 / 0.78 |

## Airflow vs Initial Resistance


## Model Details Breakdown

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|---|---|
| **Frame** | GI |
| **Media** | Micro-fine glass-fiber |
| **Header** | Available in 20mm and 25mm |
| **Mesh Support** | Upstream & Downstream |
| **Separator** | Aluminium |
| **Gasket** | Neoprene |
| **Max. operating temp.** | 150°C / 302°F |
| **Nominal Air flow** | 4250 CMH / 2500 CFM |
| **Final pressure drop** | 450 Pa / 1.8" WG |
| **Efficiency standard** | ASHRAE 52.2 / EN : 779 / ISO 16890 |

| Available upon request | |
|---|---|
| | Additional media efficiency |
| | SS 304 Frame |

## Our Group Companies and Global Network

Aerofil Filters Manufacturing LLC

CLAIRON Quality Air Filters

Aerofil International GmbH