



**Product sheet:**

# **Cylinder Filters**

**Cylindrical carbon air filters  
with activated carbon media**



# Cylinder-filters

## Cylindrical carbon air filters with activated carbon media

modular c-cylinder shaped sorbent system serves as adsorbent for various gaseous contaminants and made to fit most type of extractor fans and mounting frames. The filters are evenly filled with high quality virgin activated carbon media, which is especially useful for a broad range of contaminants. A cylinder containing loose impregnated activated carbon has proven higher adsorption capacity the pleated filter products.

The packing density of the media is evenly filled up in the entire length of the 360 degree perforated filter



case. It gives an even air distribution and increases the lifetime of the filter to lowest possible Life Cycle Cost. (LLC)

The filter construction is robust and rapid bayonet fittings make them easy to install without any special tools. We produce all vital parts ourselves, including activated carbon from coconut charcoal. Beside the 3 standard sizes, we can design and manufacture any special size and media to suit customer specifications.

Our cylinder shaped sorbent system filters handle most common gases up to approximately +600°C (+1400F) of operating temperature.

### Key features and benefits

- Media of high quality activated carbon
- Complete full range of filters – standard and customized
- Reliable performance and proven high adsorption capacity
- Air-tight construction, modular and flexible assembly
- Variety of carbon grades available
- Maximum media utilization for longer lifetime of sorbent charge
- Longer life cycle operating and lower maintenance costs (LLC)

### Application management

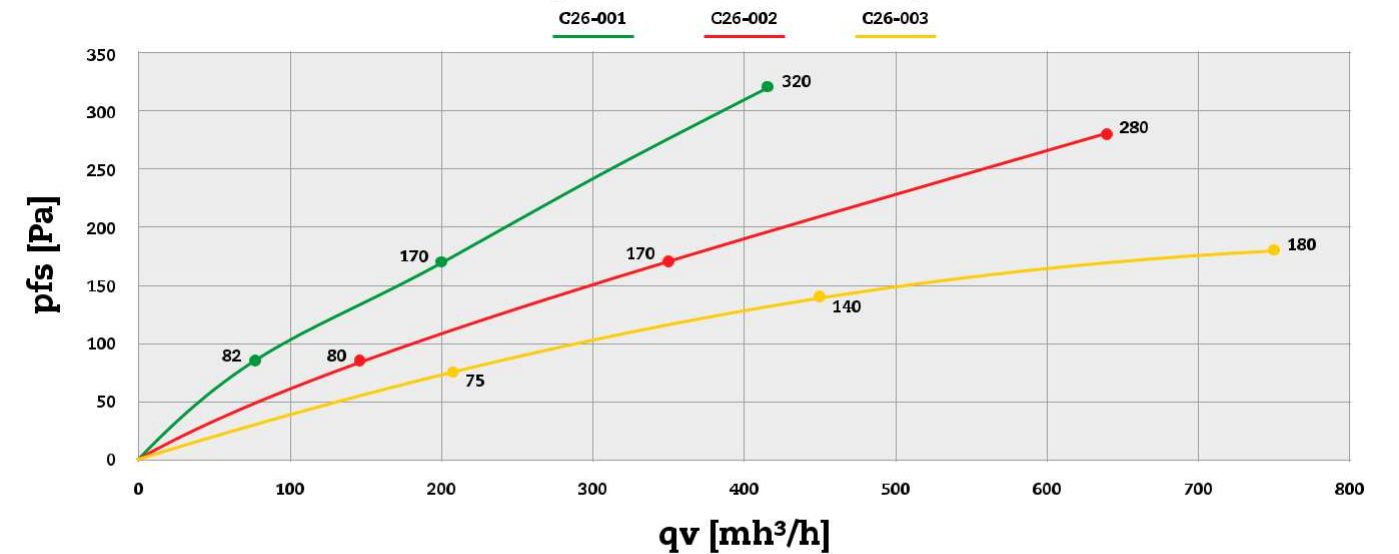
- Ozone (O3) from outdoor (smog) or indoor sources (photocopiers, etc.)
- Automobile fumes and diesel engine exhaust (SOx, NOx, H2S, VOCs)
- Jet engine fumes in airports (SOx, NOx, H2S, VOCs)
- Light levels of industrial emissions (acid gases, NH3, solvents)

### Indoor emission sources

- General atmospheric applications for offices and commercial use
- Solvents and diesel exhaust adsorption



## Pressure Drop Curves



| DIMENSIONS:                        |                   |         |             |
|------------------------------------|-------------------|---------|-------------|
| ITEM NO                            | DIAMETER x LENGTH | WEIGHT  | BED FILLING |
| C26-001                            | 145 x 600 mm      | 3.8 kg  | 26 mm       |
| C26-002                            | 145 x 450 mm      | 3.0 kg  | 26 mm       |
| C26-003                            | 145 x 250 mm      | 2.3 kg  | 26 mm       |
| SPECIFICATIONS:                    |                   |         |             |
| PARAMETER                          | UNIT              | VALUE   | TEST METHOD |
| Carbonte trachlorideactivity (CTC) | %                 | 55-60   | ASTM D3467  |
| Butane activity                    | %                 | 23-26   | ASTM D5742  |
| Surface area minimum               | m2g-1             | 1100    | BETN2       |
| Apparent density                   | kg m-3            | 460-520 | ASTM D2854  |
| Moisture content - as packed       | %                 | Max 5   | ASTM D2867  |
| Ash content                        | %                 | Max 3   | ASTM D2866  |
| Ignition temperature               | °C                | 350     | ASTM D3466  |
| Ball-pan hardness                  | %                 | 98      | ASTM D3802  |

\*Particle size tolerance for granular: Oversize minimum is 5% and undersize maximum is 4%



## Who we are

Ambitious activated carbon manufacturer and activated carbon supplier.

We are specialized in producing high quality activated carbon and carbon filters. We have got long combined experience in carbonized charcoal industry. In our activated carbon factory our carbonized charcoal products are made from naturally grown coconut shells, fruit stones and other sustainable eco-friendly sources. The advantages of activated carbon made from these natural sources are well known as they have a tighter micro-pore structure, which differs from traditional coal based products.

We produce superior quality steam activated carbons products, ranging from different grades of granular to various filters, as well as customized products.

For more than 20 years of experience and knowhow in producing steam activated carbon for the global carbon industry. Our aim is to grow together and enlarge our product port-folio with more products related to activated carbon.



**“Filters with activated carbon media...”**