### Applications
- For the supply of air and circulating air filtration in air conditioning plants such as offices and production plants
- Requirements with high hygienic demands
- Requirements to fulfil VDI 6022
- For high humidity and demanding environmental requirements

### Versions
- Standard sizes welded
- Special sizes on request
- Frame types:
  - Plastic frame (25mm)
  - Metal frame (20 or 25mm)
- Filters with plastic frame are fully incinerable
- Optional with foamed hygiene-gasket
- “Pocket-Fitting” for filter class M5-F7 (not M5 Polyester white)
- Optional as filter class G4

### Classification
- Filter class M5 - ePM10 55%
- Filter class M6 - ePM10 65%
- Filter class F7 - ePM2.5 70%
- Filter class F8 - ePM1 65%
- Filter class F9 - ePM1 80%

### Characteristics
- Tested according to EN 779:2012, ISO 16890 and Eurovent approved
- Shatter-proof synthetic fibres, environmentally safe
- Fire prevention requirements according to DIN 53438-3 (F1)
- Humidity resistant up to 100% r. h.
- Temperature resistant up to max. 80°C depending on type of frame
- Higher density and pressure load due to endless pockets and their edge welding

### Product Overview

#### Biostatic equipment
- The active ingredient is located within synthetic fibres and is no biocide
- The active ingredient prevents growth of bacteria during complete product life of the filter
- The active ingredient is safe for appliance and is not released by the filters

#### Efficiency- and sustainability certificate
- Efficiency tested during a 12 months testing period
- Certificate shows biostatic efficiency and sustainability according to DAB
- Certification through ATW-IVENSYS GmbH and SAS Hagmann GmbH

#### No growth of bacteriales
- Bacterials, mildew, barm and fungus are prevented from growing and spreading - risk of filter being a source of contamination is reduced

#### Quality control
- Quality control of the complete production with internal filter test equipment and modern quality management tools
- Oeko-Tex Standard 100 - tested for harmful substances
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• Pocket filters with plastic frame must be used holohedral incumbent
• Special sizes and special depths available on request

Selection of the following sequence: Width x Height x Number of pockets

Rc 2.5 - 2.5
Area M5 F7 ePM 10 55% - ePM 2.5 70% Polyester

1.4 5 500 - 5.7 - 9.5 m² - 12 7.1 5 500 6 6.1 x 3.4 4

Pocket filters with plastic frame must be used in the following sequence: Width x Height x Number of pockets

ProSyntex Biostat 592 x 592 x 600; 8 pockets

F7 ePM 2.5 70%

Initial pressure drop (Pa) 95 Average arrestance (%) –

Recommended final pressure drop (Pa) 450 Average efficiency (0.4μm) 80 - 90

Nominal air flow rate (m³/h) 3400 Filter area (m²) 6.5

Assembly instruction for correct installation

ProSyntex Biostat 592 x 592 x 600

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