Technical Datasheet

HVDS
Your Trusted Partner in Clean Air

RB49 Rigid Bag Filter

Filtration Class

Filter Class acc. to ISO 16890 EN 779:2012
ePM1 85% F9

Operating Conditions

Max. Relative Humidity (%)	100
Max. Temperature (°C) (Continuous Operation)	70
Recommended Final Pressure Drop (Pa)	250

Available Dimensions

Product Code	Dimensions (mm) (height, width, depth)	No. of Vs	Filter Area (m^2)	Weight (kg)	Recommended Nominal Airflow (m^3/h)	Initial Pressure Drop (Pa)
RB4912	287 x 592 x 287	4	9.3	2.5	1,700	105
RB4920	490 x 592 x 287	4	14.5	3.6	2,700	105
RB4924	592 x 592 x 287	4	18.5	4.5	3,400	105

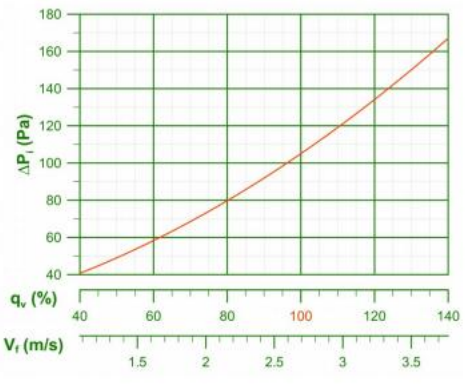
Construction

- Filter media: Water repellent glass fibre paper, pleated at calibrated pitch. Continuous thermoplastic wire separation.
- Frame: Injection moulded plastic (polystyrene).
- Polyurethane sealant (two-component).
- The 4-V frame, with low energy impact, combines reduced resistance to motion with a high filtering surface, which allows a long operating life.
- Non-regenerable completely incinerable filter (CER 15 02 03/15 02 02* depending on use)
- Tested in laboratories which have certified their resistance to bacterial and fungal growth acc. to UNI EN ISO 846:1999
- Conform to Art.3 of Reg. (EC) no. 1935/2004 concerning indirect contact with food products

Application

- Filtration of airborne solid particles in civil and industrial HVAC systems. It is also commonly used as a prefiltration stage for HEPA filters.

Initial Pressure Drop



v_f = face velocity

EN ISO 846:1999

Reg. (EC) 1935:2004

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