

Microclass GSR2

HEPA & ULPA Modules

FEATURES

- Low profile
- Anodized extruded aluminum frame
- Inlet collar (10" or 12")
- Adjustable distribution plate
- Knife-edge to accommodate gel seal HEPA
- Filters replaceable room side
- Holds 53 mm mini pleat HEPA/ULPA



MICROCLASS GSR2 CONSTRUCTION & APPLICATIONS

MANN+HUMMEL'S Microclass GSR2 HEPA & ULPA module is a ducted terminal filter module that houses a room-side replaceable, gel seal filter. The Microclass GSR2 is designed for applications such as pharmaceutical or biotech, where easy, bypass free filter change is required.

Microclass GSR2 modules are fabricated with an anodized extruded aluminum frame. The modules are lightweight and low profile with a depth of just 5.8 inches deep. Two standard sizes are available—23 5/8 in. x 23 5/8 in. and 23 5/8 in. x 47 5/8 in. to fit in a gasketed 1½ in. tee-grid installed on 24 x 24 in. or 24 x 48 in. centers.

The Microclass GSR2 module is available with either a 10 or 12 inch diameter ducted collar, which are crimped to easily and securely connect the flex

duct. A perforated aluminum distribution plate is fitted as standard on the downstream side of the inlet collar to distribute the air to the filter. The filter access port is accessible from the room side, and allows for the adjustment of the distribution plate and to check for upstream concentrations of test challenges.

The Microclass GSR2 module has a knife-edge on the downstream side to penetrate and seal into the reverse perimeter, gel filled channel located on the downstream side of the filter. The module has bolts mounted on the downstream side to penetrate through holes in the horizontal perimeter flange on the outside of gel track, with acorn nuts to secure the filter.

MICROCLASS GSR2 HEPA & ULPA MODULES
TECHNICAL DATA

The Microclass GSR2 utilizes a 3 inch-deep Microclass panel filter that has a 53mm minipleat media pack. The filter is available as either a 99.99% HEPA or 99.9995% ULPA. The filter frame is anodized extruded aluminum with a reverse perimeter gel track and perimeter flange on the downstream side. The filter is supplied with a center divider that has an access port in the center for adjusting the distribution plate and measuring the upstream test challenge.

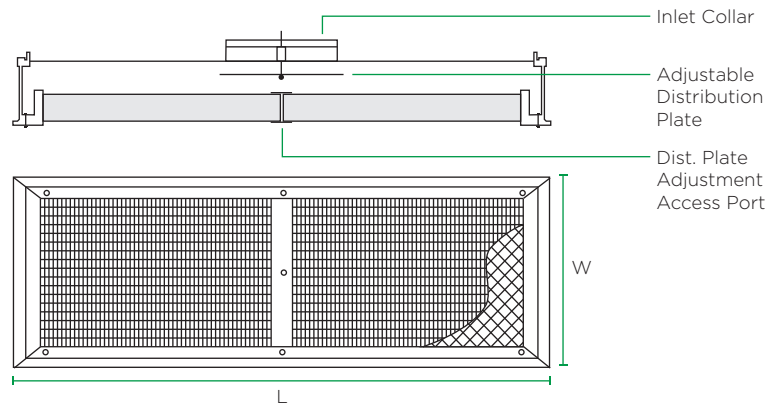
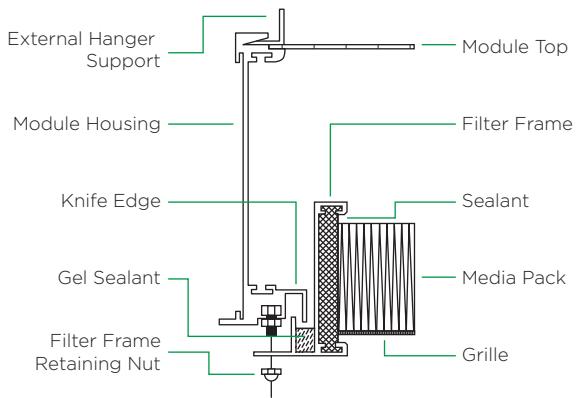
The filter is supplied with a painted expanded-metal grille on the downstream side, which serves as the protective grille for the unit once the filter is installed.

In addition to the GSR2, MANN+HUMMEL offers the Microclass GSR gel seal replaceable hood, our premium module that offers a full range of features, including an optional aerosol injection port.



Microclass panel filter showing the reverse perimeter gel seal track and flange used to mount in the module.

MICROCLASS GSR2 HEPA & ULPA MODULES
DRAWING



MANN+HUMMEL is committed to continual product development – all descriptions, specifications and performance data are subject to change without notice. MANN+HUMMEL products are manufactured to exacting criteria – there can be a ±5% variance in filter performance.

LOCAL REPRESENTATIVE