

TRI-PURE™ GSR²

TECHNICAL BULLETIN



DUCTED ROOM SIDE REPLACEABLE TERMINAL MODULES FOR CLEANROOM APPLICATIONS

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 53mm Mini-Pleat HEPA/ULPA**

Tri-Dim Filter Corporation's TRI-PURE™ GSR² is a Ducted Terminal Filter Module that houses a room side replaceable Gel Seal Filter. The TRI-PURE™ GSR² is designed for applications such as Pharmaceutical or Biotech where ease of filter change and by-pass free filter change is required.

The TRI-PURE GSR² Modules are fabricated of an anodized extruded aluminum frame. The TRI-PURE™ GSR² Modules are lightweight, low profile (only 5.8" deep) and are available in two standard sizes – 23-5/8" x 23-5/8" and 23-5/8" x 47-5/8" to fit in a gasketed 1-1/2" Tee Grid installed on 24" x 24" or 24" x 48" centers. The TRI-PURE™ GSR² Modules are available with either a 10 or 12-inch diameter ducted collar. The inlet collars are crimped in order to easily and securely connect the flex duct.

The TRI-PURE GSR² Module comes standard with a perforated aluminum distribution plate on the downstream side of the inlet collar to distribute the air to the filter. The 'Access Port' in the filter is accessible room-side and allows for the adjustment of the distribution plate and to check for upstream concentrations of test challenges.

The TRI-PURE 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 in the Module.

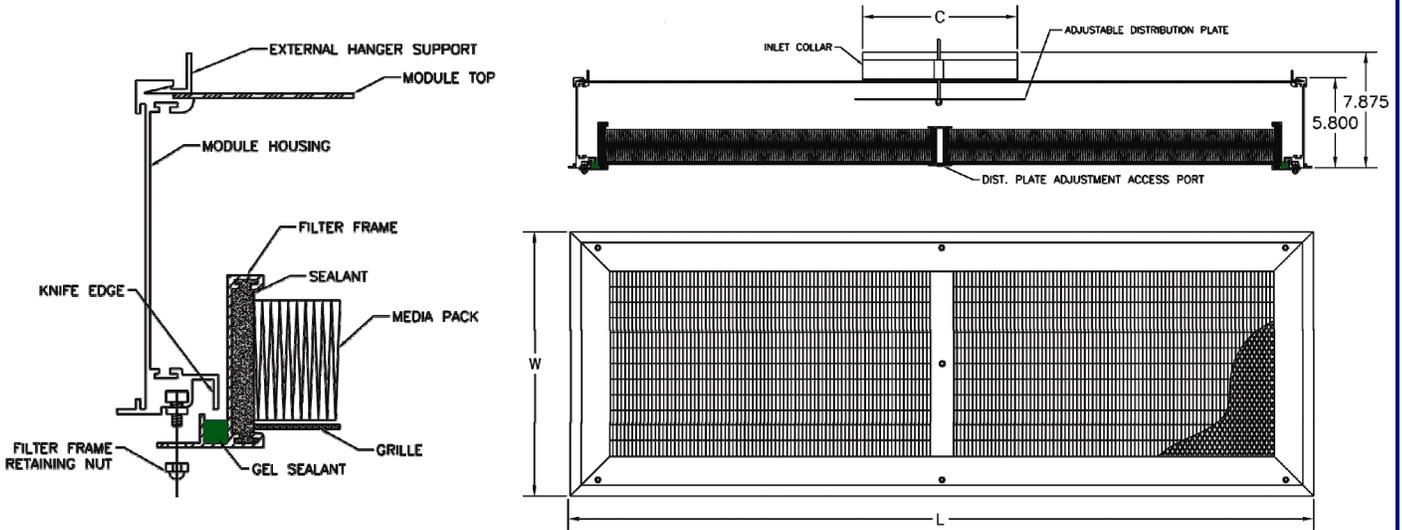
The TRI-PURE GSR² utilizes a 3" deep Tri-Pure Panel Filter that has a 53mm mini-pleat media pack. The filter is available in either a 99.99% HEPA or 99.9995% ULPA. The filter frame is anodized extruded aluminum with a reverse perimeter gel track and perimeter flange on the downstream side. The filter 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 will serve as the protective grille for the unit once the filter is installed.

In addition to the TRI-PURE GSR² Tri-Dim offers the TRI-PURE GSR Gel Seal Replaceable Hood – this is our premium module that offers a full range of features including an optional aerosol injection port.



Tri-Pure Panel Filter showing the Reverse Perimeter Gel Seal Track and Flange used to mount in the module

TRI-PURE GSR² DRAWINGS



Tri-Dim Filter Corporation is committed to continual product development – all descriptions, specifications and performance data are subject to change without notice.
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