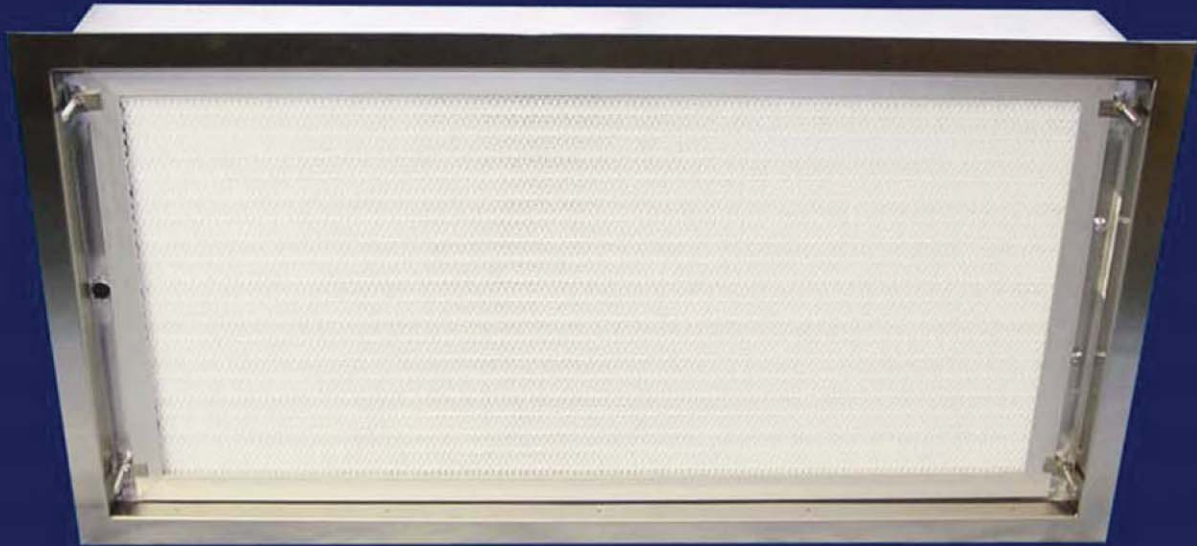


TRI-PURE™ GSR



**GEL SEAL REPLACEABLE
FILTER DUCTED HOOD FOR
CLEANROOM APPLICATIONS**





TRI-PURE™ GSR

**GEL SEAL
REPLACEABLE
DUCTED HOOD
FOR CLEANROOM
APPLICATIONS**

FEATURES:

- Aluminum or Stainless Steel Construction**
- Available in Two Profiles (12" and 9" Deep)**
- Available with Choice of Perimeter Flange**
- Inlet Collar (8", 10" or 12")**
- Distribution Plate**
- Protective Grille**
- Static Pressure Port**
- Knife-Edge to Accommodate Gel Seal HEPA**
- Foil Back Insulation – Optional**
- Hanging Tabs – Optional**
- Aerosol injection System - Optional**

Tri-Dim Filter Corporation's TRI-PURE™ GSR Gel Seal Replaceable Ducted Hood 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™ GSR is constructed of 0.63" aluminum or optional 16-gauge stainless steel with all seams welded and sealed with silicone caulking to prevent air leakage. Each hood is pressure tested at 5.0" w.g. to insure there is no leakage.

The TRI-PURE™ GSR hood is also available in two profile depths – Standard Profile of 12" deep to hold HEPA/ULPA Panel filters of 53mm, 70mm, or 100mm and the Slim Profile of 9" that will hold a 53mm HEPA/ULPA Panel.

The TRI-PURE™ GSR hood comes with a choice of perimeter flanges that include:

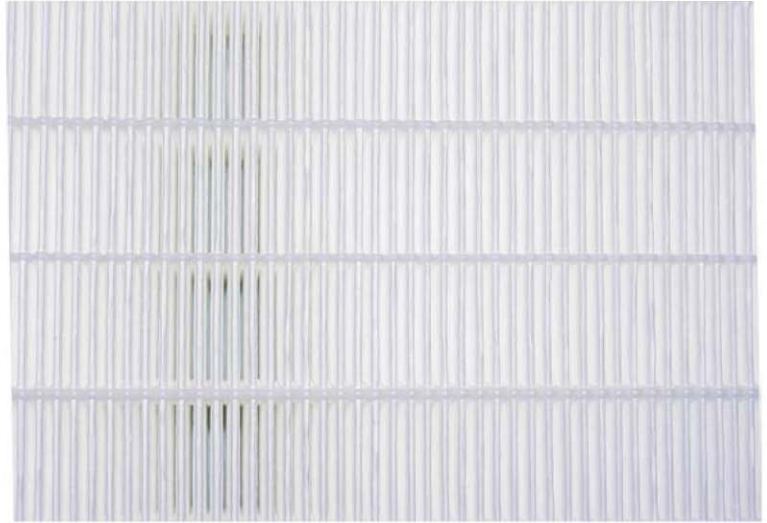
- an integral 5/8" perimeter flange that is constructed of the same material as the hood, it is designed to fit in a 1-1/2" gasketed Tee Grid System.
- a separate 5/8" Perimeter Flange/Knife Edge Assembly that is constructed of Type 304 Stainless Steel and is riveted and sealed inside the hood, it is designed to fit in a 1-1/2" gasketed Tee Grid System.
- a separate 5/8" or optional 1-1/2" Perimeter Flange Assembly that is fabricated of Type 304 Stainless Steel, it will be riveted and sealed in the hood in the field by the installing contractor and the perimeter of the flange will be sealed to the gypsum or hardboard ceiling.

The TRI-PURE™ GSR hood comes with either an 8", 10" or 12" inlet collar that is fabricated from either .040" aluminum (aluminum hood construction) or 20-gauge 304 Stainless Steel (stainless steel hood construction). The inlet collar is crimped and dimpled in order to easily and securely connect the flex duct. The inlet collar has a butterfly damper that is adjusted from room-side through an access port in the hood.

In addition, the TRI-PURE™ GSR hood comes supplied with a protective grille fabricated of 22-gauge 304 Stainless Steel Perforated with 40% open area. The protective grille can either be flush mounted or extended 2 inches below the downstream side of the hood.

A static pressure port for measuring the pressure drop across the filter and for sampling the upstream test challenge concentration is also supplied on the TRI-PURE™ GSR.

The TRI-PURE™ GSR hood has a knife-edge on the downstream side to penetrate and seal into the gel filled



Tri-Dim's TRI-PURE™ HEPA and ULPA media pack



TRI-PURE™ GSR Hood showing optional Aerosol Injection System

channel located on the downstream side of the filter. The filter is held in place by four retainers in the hood allowing for the filters to be easily replaced from room-side.

The TRI-PURE™ GSR hood comes standard with a perforated aluminum distribution plate on the downstream side of the inlet collar to distribute the air to the filter.

TRI-PURE™ HEPA/ULPA Panel filters are available in a variety of media pack depths, efficiencies, test methods, flow

rates and pressure drops to meet your application needs. Please refer to the TRI-PURE™ HEPA/ULPA Panel Technical Bulletin for more detailed information on filter construction and performance.

The TRI-PURE™ GSR hood comes with an optional Aerosol Injection System to test the filters for leaks. The injection system has an injection port located in the knife-edge of the hood that releases the challenge aerosol on the upstream side of a solid distribution plate. This allows for a convenient room side injection and even distribution of the test challenge.

Other options on the TRI-PURE™ GSR are Foil Back Insulation and Hanging Tabs. The insulation is a 2-inch thick with foil back insulation installed on the exterior of either the top of the hood or top and sides of the hood to reduce thermal loss.

The TRI-PURE™ GSR hood can also be supplied with optional hanging tabs mounted on each corner of the hood. The hanging tabs shall be fabricated aluminum with a hole in the center.



TRI-PURE™ GSR Hood showing optional Foil Back Insulation and Hanging Tabs

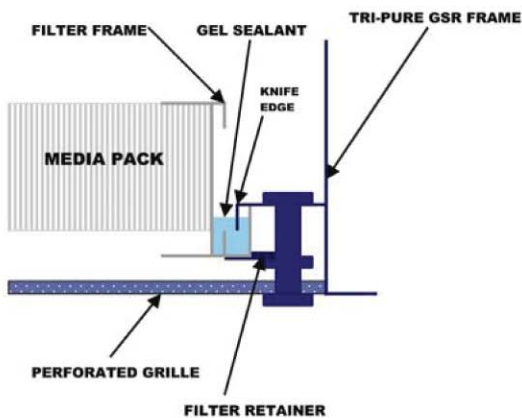
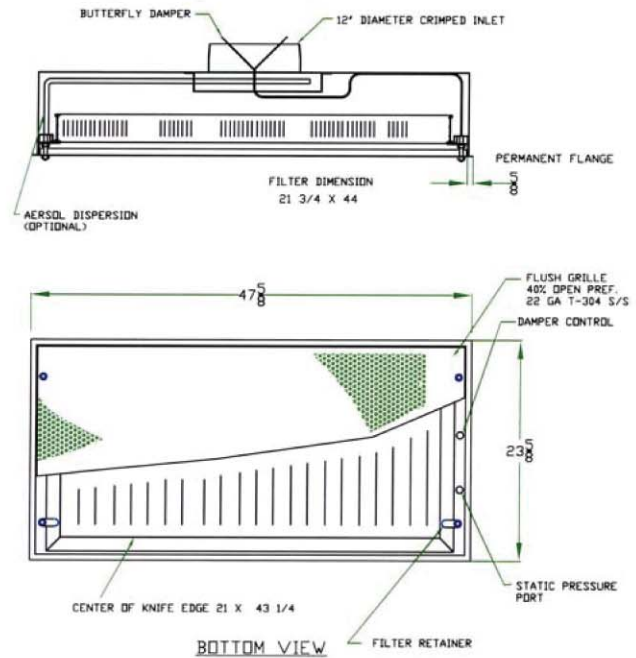
TRI-PURE GSR™ Options

- Removable Stainless Steel Perimeter Trim
- Foil Back Insulation
- Hanging Tabs
- Horizontal Flow
- 2" Extended Stainless Steel Grille
- Aerosol Injection System
- Heavy Duty Butterfly Damper
- Side Inlet
- Non-standard Depth



Profile view of the TRI-PURE™ GSR Gel Seal Replaceable Ducted Hood

TRI-PURE™ GSR DRAWING



TRI-PURE™ GSR TECHNICAL DATA

LENGTH (Inches)	WIDTH (Inches)	THIN PROFILE DEPTH (Inches)	STANDARD PROFILE DEPTH (Inches)	DESCRIPTION
23-5/8	23-5/8	9	12	5/8" Permanent Perimeter Flange
23-5/8	47-5/8	9	12	5/8" Permanent Perimeter Flange
25-3/8	25-3/8	9	12	1-1/2" Removable Trim or Permanent
25-3/8	49-3/8	9	12	1-1/2" Removable Trim or Permanent

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



TRI-DIM FILTER CORPORATION

P.O. BOX 466 • 93 INDUSTRIAL DRIVE
LOUISA, VA 23093

(540) 967-2600 • FAX: (540) 967-2835

EMAIL: info@tridim.com • Website: www.tridim.com

TOLL FREE 1-800-458-9835

Local Representation: