



High Standards. Higher Performance. Highest Temperatures.

## Dynaglas® 1702HT from Filtration Specialties, Inc. **FACT SHEET**

### The Highest Temperature Capability in a Fiberglass Felt

**Dynaglas®** is a family of fiberglass filter media for use in high temperature cartridge and pleated bag applications. Woven and non-woven fabric structures using a range of fiber diameters are combined to achieve the desired filtration efficiency. A variety of finish treatments can be applied to enhance particulate release, chemical resistance, pleatability (**DynaPleat™**) and temperature resistance.

**Dynaglas® 1702HT** is a 16 ounce per square yard fiberglass felt made by needle-punching a batt of 3.8 micron fibers into a woven fiberglass support scrim. A surface treatment of vermiculite particles is applied to the felt to extend the temperature and chemical resistance of the fiberglass fibers.

**Dynaglas® 1702HT** is typically fabricated with 2 layers of woven wire mesh and pleated for use in high temperature filter cartridges. Industrial process applications usually involve the separation of solids from hot gas or liquid mist streams.

#### Features and Benefits

- Used in emissions control or solid recovery applications requiring very high efficiency with light particulate loading.
- 800°F (427°C) continuous operating temperature
- Handles short-term temperature excursions at 1,000°F (538°C)
- Applications include catalyst recovery filters in chemical production
- Chemical resistance is sufficient to tolerate concentrated nitric acid mist at 700°F without substantial strength loss

#### Test Results

- Testing performed by a nationally recognized independent testing lab
- Face velocity of 30 fpm
- Initial efficiency is 99.9% for 5 micron particles

#### Specifications

- Base scrim 100% Fiberglass
- Batt fiber 100% Fiberglass
- Chemical resistant finish vermiculite coating
- Nominal weight 16 oz/yd<sup>2</sup> (540 g/m<sup>2</sup>)
- Permeability 30 +/- 10 cfm/ft<sup>2</sup> @ 0.5 in H<sub>2</sub>O

**Dynaglas®** is available at a width of 63" or 72" FOB Filtration Specialties USA plant.

#### High Temperature Fiber Materials

+1-757-363-9818  
+1-917-464-9889  
Sales@HighTempFelt.com

Voice  
Fax  
Email

<http://www.HighTempFelt.com>