

## Disposable Vent Filter Assembly with Profile® Star Media

### Protection from Airborne Contamination

Disposable Vent Filter Assemblies with Profile Star media are designed for vent applications in the food and beverage industry. The assembly provides product protection from airborne contamination for products during storage or transport in small containers.

#### Description

The Disposable Vent Filter Assembly consists of a melt blown polypropylene filter element with a unique 'star' pleat construction, melt sealed into a self-contained polypropylene housing. This provides the user with a high level of security and protection, together with the handling advantages of a disposable filter assembly.

Aerosol qualification studies in dry gases showed that under the test conditions these filters have a particle removal efficiency of greater than 99.995% at 0.3 µm.

Each Disposable Vent Filter Assembly is individually identified by lot number for batch traceability

#### Features and Benefits

Features	Benefits
Fixed fiber matrix and highly stable structure	<ul style="list-style-type: none"> <li>Secure contaminant entrapment without unloading due to pressure variations</li> <li>No fiber migration and contamination of tank contents</li> <li>Process reliability</li> </ul>
Self-contained assembly	<ul style="list-style-type: none"> <li>Easy handling</li> <li>Easily fits onto tanks, totes and containers</li> </ul>
Proprietary pleated polypropylene filter media with graded pore density.	<ul style="list-style-type: none"> <li>Low differential pressure even with wet gases</li> <li>High dirt holding capacity</li> <li>Long service life</li> </ul>
Gasket incorporated into the sealing area	<ul style="list-style-type: none"> <li>Splash protection to prolong filter life</li> </ul>



Disposable Vent Filter Assemblies

#### Materials of Construction

Component	Description
Filter medium	Pleated polypropylene
Capsule hardware	Polypropylene
Gasket	Silicone Elastomer

#### Quality

- Assemblies produced in a controlled environment
- Manufactured according to ISO 9001:2008 certified Quality Management System

#### Food Contact Compliance

Please refer to the Pall website <http://www.pall.com/foodandbev> for a Declaration of Compliance to specific National Legislation and/or Regional Regulatory requirements for food contact use.

## Technical Information

### Air Flow / Pressure Drop

Typically 100 L/min (3.53 CFM) at 45 mbar (0.65 psi).

### Removal Rating

As determined in laboratory tests performed with NaCl CNC particle analysis, aerosol challenge at 100L/min flow at 20 °C (68 °F). No particles were recorded downstream at a detection limit of 99.995% efficiency.

### Sterilization

The disposable vent filter may be sterilized by autoclave at 125 °C (257 °F). Maximum cumulative steaming exposure is 50 hours.

## Ordering Information

This information is a guide to the part number structure and possible options. For availability of specific options and housing details, please contact Pall.

Assembly Part Number: DVF1A030NW  H4  
Table 1

Table 1: Connection

Size	Description
25	25 mm (1") DIN 11851 threaded connection
32	32 mm (1.25") DIN 11851 threaded connection



Pall Corporation

### Pall Food and Beverage

New York – USA  
+1 516 484 3600 telephone  
+1 866 905 7255 toll free

foodandbeverage@pall.com

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Please contact Pall Corporation to verify that the product conforms to your national legislation and/or regional regulatory requirements for water and food contact use.

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