



# PRESS-FIT ENCLOSURE PROTECTION VENTS

Integrated Venting Solutions

Donaldson Press-Fit enclosure protection vents are designed to protect enclosures and devices from particles, water, oils, and other liquids without negatively affecting their operation. They are comprised of a filtration material and a pressure-sensitive adhesive ring for securing the vent to the device.

## FEATURES & BENEFITS

- Wide variety of air flows available
- Pressure equalization - for large range of enclosure sizes
- Eliminates the need for costly hermetic sealing
- Repels water, oils, and other liquids
- Oil ratings from 1 to 8
- IP ratings up to IP69K
- Easy application and device integration
- Standard and custom sizes and shapes are available
- Water entry pressure (WEP) up to 70psi
- Weld-Fit (non-adhesive) enclosure protection vents are also available for integration into your device



## STANDARD MATERIALS AVAILABLE

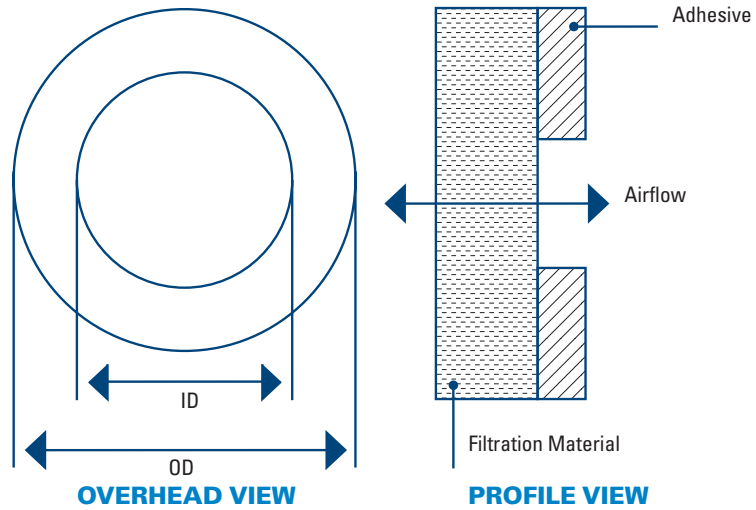
- The many options include Donaldson's proprietary Tetratex® ePTFE membrane. Many also include a support layer made of polyethylene, nonwoven, and extruded materials such as nylon, polyester, polypropylene, and polyester/polyethylene
- Hydrophobic and oleophobic options are available
- Continuous Operating Temperature Range: -40° to 150°C (-40° to 302°F)
- Select materials have short term temperature ranges up to 260°C (500°F)
- Material data sheets available upon request

## PACKAGING

- Manufactured, inspected and packaged in clean room environment
- Typically supplied in roll form on polyethylene cores
- Roll sealed in cleanroom bag unless otherwise specified

## STANDARD SIZES AVAILABLE

mm (OD x ID)	inch (OD x ID)
4.5 x 1.5	0.18 x 0.06
7.6 x 3.3	0.30 x 0.13
10.0 x 5.5	0.39 x 0.22
11.0 x 7.0	0.43 x 0.28
12.7 x 8.9	0.50 x 0.35
14.0 x 8.0	0.55 x 0.32
19.0 x 9.0	0.75 x 0.35
21.5 x 12.5	0.85 x 0.49
29.0 x 20.0	1.14 x 0.79



## HANDLING INSTRUCTIONS

- Wear gloves or use rounded tweezers when handling the vents
- Mounting surfaces should be clean and free of oils, particles, and other contaminants
- Vents should be mounted on flat, vertical surfaces where liquids or other contaminants will not pool
- Follow dispenser instructions when using an automated vent dispenser
- For manual vent dispensing, roll the liner under the vent until the vent extends beyond the liner and becomes easily accessible
- Do not pry the vent from the liner or fold the vent, as this could damage the vent

## ASSEMBLY INSTRUCTIONS

- Accurate placement of the vents can be improved by using markings, a recessed area, or a target area in which the vent is centered over the vent hole in the device or housing
- Apply light finger pressure (15 PSI recommended) to the adhesive ring to seal the vent to the device or housing
- Do not attempt to reposition the vent after installation. This can cause damage to the vents
- Allow at least 24 hours dwell time before using or testing the vent

Donaldson is IATF 16949:2016 certified and our focus is on high quality manufacturing, responsive customer service, and tailored solutions that can be easily integrated into our customer’s device or application. Our unique, proprietary membrane and oleophobic treatment processes allow us to select the best types of materials to meet your application requirements.

Donaldson Company is a leading global provider of filtration products, with sales and manufacturing of venting products in the U.S., Europe and Asia. Let Donaldson be your partner in problem-solving.

### Important Notice

Many factors beyond the control of Donaldson can affect the use and performance of Donaldson products in a particular application, including the conditions under which the product is used. Since these factors are uniquely within the user’s knowledge and control, it is essential the user evaluate the products to determine whether the product is fit for the particular purpose and suitable for the user’s application. All products, product specifications, availability and data are subject to change without notice, and may vary by region or country.



Donaldson Company, Inc.  
Venting Solutions  
PO Box 1299  
Minneapolis, MN 55440-1299 U.S.A.

[donaldsonventing.com](http://donaldsonventing.com)

United States of America:  
952-887-3874  
[ivs@donaldson.com](mailto:ivs@donaldson.com)

Europe, Middle East, and Africa:  
+32 16 38 3710  
[venting.solutions@donaldson.com](mailto:venting.solutions@donaldson.com)

Greater China:  
+86 21 2313 7080  
[Info.CN@Donaldson.com](mailto:Info.CN@Donaldson.com)

Japan:  
+81 42 540 4119  
[jp-ndl.ivs@donaldson.com](mailto:jp-ndl.ivs@donaldson.com)

Korea:  
+82 2 517 3333  
[ivs.korea@donaldson.com](mailto:ivs.korea@donaldson.com)