Donaldson Protective 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

- High efficiency particulate removal
- Venting of gases and pressure equalization
- Eliminates the need for costly hermetic sealing
- Repels water, oils, and other liquids
- Oil ratings from 1 to 8
- IP ratings from IP44 to IP67/IP68
- Easy application and device integration
- Non-adhesive protective vents also available for welding to your device
- Standard and custom sizes and shapes are available
- Donaldson’s Acoustic Vents provide protection with excellent sound transmission

STANDARD MATERIALS AVAILABLE

- The many options include Donaldson’s proprietary Tetratex® white or black ePTFE membrane, woven, nonwoven, and extruded materials such as nylon, polyester, polypropylene, and polyester/polyethylene.
- Hydrophobic, oleophobic, and acoustic materials are available
- Thickness: < 0.3mm (< 0.012”)
- Continuous Operating Temperature Range: -40° to 149°C (-40° to 300°F)
- Minimum efficiency of 99.97% on 0.1 µm particles
- Material data sheets available upon request

PACKAGING

- Manufactured, inspected and packaged in clean room environment
- Supplied on continuous release liner: 2000 - 5000 parts per polyethylene cores
- Roll sealed in cleanroom bag unless otherwise specified
STANDARD SIZES AVAILABLE

<table>
<thead>
<tr>
<th>mm (OD x ID)</th>
<th>inch (OD x ID)</th>
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<tbody>
<tr>
<td>4.5 x 1.5</td>
<td>0.18 x 0.06</td>
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<tr>
<td>7.6 x 3.3</td>
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<td>10.0 x 5.5</td>
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<td>11.0 x 7.0</td>
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<td>12.7 x 8.9</td>
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<td>21.5 x 12.5</td>
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<tr>
<td>29.0 x 20.0</td>
<td>1.14 x 0.79</td>
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</tbody>
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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 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