Donaldson's unique Tetratex® ePTFE filter media protects devices and enclosures from temperature and pressure fluctuations, moisture and harmful contaminants. Our wide range of filter media options increases the effectiveness and reliability of micro-environments and can help to extend product life.

Tetratex ePTFE membrane has a unique microporous structure. It is comprised of small randomly connected fibrils that render an effective pore size many times smaller than can be seen by the naked eye. Tetratex ePTFE microporous films are naturally hydrophobic and can be used as permeable water barriers for venting or breather filters for gas sensors, electronics and more. Donaldson's proprietary oleophobic treatment process also makes filter media repel oils.
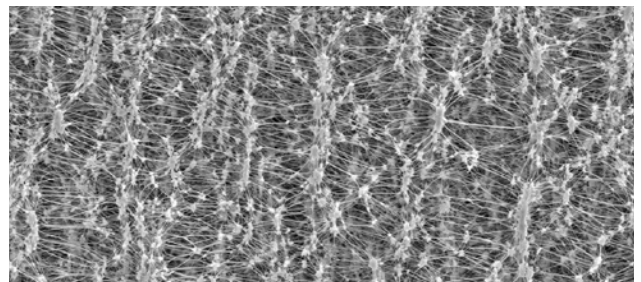
TYPICAL APPLICATIONS

Automotive:

- Motors & Pumps
- ECUs
- SCR
- Battery Packs
- Sensors
- Powertrain

Electronics:

- Personal Electronics
- Air Quality Sensors
- Outdoor Lighting
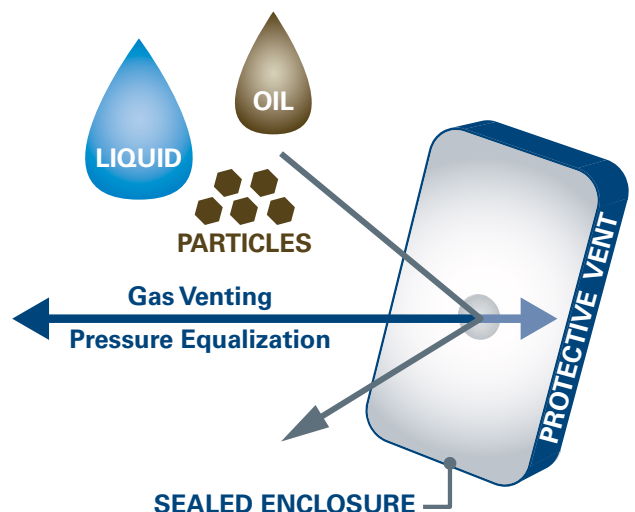- Telecommunications
- Outdoor Electronics

Medical:

- Ostomy Bags
- Hearing Aids

Tetratex ePTFE membrane at 1,000X magnification.

FEATURES & BENEFITS

- Tetratex High Performance ePTFE Membrane delivers a high particulate capture rate
- Exceptional flow rates with low inlet pressure
- Dissipates heat in micro-environments
- Equalizes pressure
- Repels water and oil
- Chemically inert
- Toxicity tested to USP 23, Class VI
- High solids holding capacity
- Easy connection to other materials as well as excellent mechanical resistance in harsh environments

OIL

LIQUID

PARTICLES

Gas Venting

Pressure Equalization

PROTECTIVE VENT

SEALED ENCLOSURE

DESIGN EXPERTISE

Our experts will provide the most effective venting solution for your needs by helping you select the appropriate filter media. Donaldson's Integrated Venting Solutions (IVS) group is a leading global manufacturer of microporous expanded PTFE membranes, films and laminates. Donaldson Company, Inc. is a technology-driven company committed to satisfying customer needs through innovative research and development with production and offices located throughout America, Europe and Asia.

Donaldson places great emphasis on high quality customer service and manufacturing and has been accredited IATF 16949:2016 certification, a testament to our high standards. We will gladly work with you to select and develop the right solution to meet your unique requirements.

PROTECTION

The extreme chemical inertness of ePTFE (polytetrafluoroethylene) allows Tetratex to be used in a wide range of applications. Tetratex is dimensionally and chemically stable in almost any chemical environment ranging in temperature from -250°C to 280°C. Tetratex ePTFE is manufactured to a range of pore structures, widths and thicknesses to meet a variety of industry requirements.

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.

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

donaldsonventing.com

United States of America:
952-887-3874
ivs@donaldson.com

Europe, Middle East, and Africa:
+32 16 38 3710
venting.solutions@donaldson.com

Greater China:
+86 21 2313 7080
Info.CN@Donaldson.com

Japan:
+81 42 540 4119
jp-ndl.ivs@donaldson.com

Korea:
+82 2 517 3333
ivs.korea@donaldson.com