Vents and Drains for Enclosures

**Labyrinth Filter, Type LF**
Large fluctuations in ambient temperature (between night and day, for example) can create condensation inside enclosures or electric circuit distributors, which in turn may cause corrosion or even malfunction of the instruments. Dimensions of assembled labyrinth filter:

(H x W x D) 68/2,7 x 50/2,0 x 18/0,7 mm/inches
A drilling template is included with each kit.
Ingress Protection: IP44
Option: Bug screen mesh upon request

**Ex e Drain**
The Ex e drain plug allows condensation to drain from the enclosure while preventing water and dust from entering.

Cert. of Conformity: PTB 01 ATEX 1128 X
Type of Protection: Ex e II
Thread: M25x1,5
Ingress Protection: IP55
Material: Polyamide
Operational temp.: -4°F to + 104°C/-20°C to +40°C

**Breather Drain**
EC certificate of conformity: SIRA99ATEX3050U
Type of protection: Ex e II Gb/ tb IIIC Gb
Size: M20/M25
Ingress Protection: IP66
Usable for Enclosure Type 4X
CSA Certificate: 1185887-2500003408 (LR106084)

**Sintered Metal Vent Type SM**
Thread: M25x1,5
Ingress Protection: IP65
Material: Polyamide
Operational temp.: -67°F to +158°F/-55°C to +70°C

**Ventilation Membrane Type PolyVent XL**
Thread: M20x1,5
Ingress Protection: IP65
Material: GRP
Operational temp.: -94°F to +212°F/-70°C to +100°C

**Material**

<table>
<thead>
<tr>
<th>Material</th>
<th>Operational temp. range</th>
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<tbody>
<tr>
<td>GF Nylon</td>
<td>-58°F to +185°F/-50°C to +85°C</td>
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<tr>
<td>stainless steel</td>
<td>-94°F to +185°F/-70°C to +85°C</td>
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**Suggested installation location in the enclosure**

**Kd184-9c Vents and Drains for Enclosures**
INTERTEC Instrumentation Ltd. · 225 Henry Drive · Sarnia, Ontario N7T 7H5 · Canada · +1 888 875 8756 · info@intertec-inst.com