MICRO PUMP ORANGE EDITION FROM XAVITECH

ORANGE Edition is suitable for those who need a high quality micro pump and can manage with a somewhat limited service lifespan. ORANGE Edition has a defined service lifespan of 1,000 hours and a fixed interface with your system.

- Affordable solution
- Guaranteed service lifespan
- Highest quality

MICRO PUMP WITH GUARANTEED FUNCTION OF 1,000 HOURS

It can be frustrating to need to adapt your product to variations in the service lifespans of pumps. With the ORANGE Edition, you get a micro pump that is guaranteed to work for the full 1,000 hours it was designed to do, at a very good price. In this way, you do not need to pay for pumps with longer service lifespans in order to be assured that the pump will actually work for the stated number of hours.

ORANGE EDITION PROVIDES HIGH QUALITY AT AN AFFORDABLE PRICE

Xavitech’s belief in high quality pervades this pump version. Flexibility is limited in the ORANGE Edition, which allows for such an affordable price. It is sold in a limited number of standard designs for each pump model. If this is too limiting, then we suggest you check out our BLACK edition instead.
**GENERAL FLOW PERFORMANCE V1500 PUMPS**

Freeflow: > 900 ml/min

Maximum vacuum: > 300 mbar

Maximum pressure < 100 mbar

---

**PUMP MODEL** | **V1500 ORANGE EDITION**
--- | ---
PERMISSIBLE AMBIENT TEMP | 0 - 55 C
PERMISSIBLE MEDIUM TEMP | 0 - 55 C
FLOW MEDIA | Air and gas.
WETTED PARTS | EPDM and PPS
CAPACITORS | Missing VCC capacitor can damage the pump. See electrical interface datasheet
CONNECTIONS | Incorrect lead connection can damage the pump
FILTERS | To insure lifetime, air filters should be used in order to prevent contaminations like dust to enter the pump
FLOW TOLERANCES | Flow can vary -/+ 10% of maximum specification between individual pumps
VACUUM AND PRESSURE TOLERANCES | Vacuum and pressure can vary -/+ 10% of maximum specification between individual pumps
PUMP FLOW | Flow can only be in one direction and can not be reversed
STANDARD MODELS (Part number)

The ORANGE version is only available in fixed voltages and can not be customized on flow calibration. The lifetime is also fixed. Choose the BLACK edition if more flexible solutions is required.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>VOLTAGE (DC)</th>
<th>FLOW (ml/min)</th>
<th>MAX VACUUM (mbar)</th>
<th>CONNECTION INTERFACE</th>
<th>ANALOG FLOW CONTROL</th>
<th>SERIAL INTERFACE (RS-232)</th>
<th>LIFE TIME (Hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td>V1500-O2C12V</td>
<td>12V</td>
<td>&gt;900</td>
<td>&gt;300</td>
<td>2 Wires</td>
<td>NO</td>
<td>NO</td>
<td>1000</td>
</tr>
<tr>
<td>V1500-O2C24V</td>
<td>24V</td>
<td>&gt;900</td>
<td>&gt;300</td>
<td>2 Wires</td>
<td>NO</td>
<td>NO</td>
<td>1000</td>
</tr>
</tbody>
</table>