Connection of standard controllers to vacuum applications
Vacuum feedthroughs are the interface between the positioner within the vacuum enclosure and the controller on the air side. With their help, vacuum applications can be connected to standard controllers. Vacuum feedthroughs are available for a variety of connectors and for a different number of cables. The cables are not part of the scope of delivery for the feedthroughs.

C-815.VFxx
- Accessories for positioning stages suitable for vacuum
- Closure and port for vacuum chambers
## Specifications

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>V6 feedthroughs</th>
<th>V7 and V9 feedthroughs</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seal</td>
<td>Fluoroelastomer</td>
<td>Glass ceramics</td>
<td></td>
</tr>
<tr>
<td>Flange</td>
<td>Aluminum alloy, gold iridite</td>
<td>Stainless steel 316L</td>
<td></td>
</tr>
<tr>
<td>Test voltage</td>
<td>1000</td>
<td>500</td>
<td>V</td>
</tr>
<tr>
<td>Max. current per pin</td>
<td>5</td>
<td>5</td>
<td>A</td>
</tr>
<tr>
<td>Temperature range</td>
<td>-40 to 125</td>
<td>-200 to 300</td>
<td>°C</td>
</tr>
<tr>
<td>Leak rate</td>
<td>&lt; $5 \times 10^{-9}$</td>
<td>&lt; $5 \times 10^{-10}$</td>
<td>mbar l/s He</td>
</tr>
<tr>
<td>Total mass loss (TML)</td>
<td>&lt; 1</td>
<td>&lt; 1</td>
<td>%</td>
</tr>
<tr>
<td>Collected volatile condensable materials (CVC)</td>
<td>&lt; 0.1</td>
<td></td>
<td>%</td>
</tr>
</tbody>
</table>

Ask about customized versions.
Drawings / Images

C-815.VF, dimensions in mm
C-815.VFU1, dimensions in mm

C-815.VFU3, dimensions in mm
C-815.VFU6, dimensions in mm
C-815.VFU15, dimensions in mm

C-815.VFU11, dimensions in mm
C-815.VFU33, dimensions in mm

C-815.VFU66, dimensions in mm
Ordering Information

C-815.VF
Vacuum feedthrough, D-sub 15 (m/f), suitable for high vacuum (to $10^{-6}$ hPa)

C-815.VF26
Vacuum feedthrough, HD D-sub 26 (m/f), suitable for high vacuum (to $10^{-6}$ hPa)

C-815.VF9
Vacuum feedthrough, D-sub 9 (m/f), suitable for high vacuum (to $10^{-6}$ hPa)

C-815.VFU1
Vacuum feedthrough, CF40 flange, 1 x D-sub 15 (m/m), suitable for high vacuum (to $10^{-7}$ hPa) and ultrahigh vacuum (to $10^{-9}$ hPa)

C-815.VFU3
Vacuum feedthrough, CF63 flange, 3 x D-sub 15 (m/m), suitable for high vacuum (to $10^{-7}$ hPa) and ultrahigh vacuum (to $10^{-9}$ hPa)

C-815.VFU6
Vacuum feedthrough, CF100 flange, 6 x D-sub 15 (m/m), suitable for high vacuum (to $10^{-7}$ hPa) and ultrahigh vacuum (to $10^{-9}$ hPa)

C-815.VFU15
Vacuum feedthrough, CF160 flange, 15 x D-sub 15 (m/m), suitable for high vacuum (to $10^{-7}$ hPa) and ultrahigh vacuum (to $10^{-9}$ hPa)

C-815.VFU11
Vacuum feedthrough, CF63 flange, 1 x D-sub 9 (m/m) und 1 x D-sub 15 (m/m), suitable for high vacuum (to $10^{-7}$ hPa) and ultrahigh vacuum (to $10^{-9}$ hPa)

C-815.VFU33
Vacuum feedthrough, CF100 flange, 3 x D-sub 9 (m/m) und 3 x D-sub 15 (m/m), suitable for high vacuum (to $10^{-7}$ hPa) and ultrahigh vacuum (to $10^{-9}$ hPa)

C-815.VFU66
Vacuum feedthrough, CF160 flange, 6 x D-sub 9 (m/m) und 6 x D-sub 15 (m/m), suitable for high vacuum (to $10^{-7}$ hPa) and ultrahigh vacuum (to $10^{-9}$ hPa)