BIOFLEX ULTRA

HOSE BORE SIZE RANGE -
1” (25MM) UP TO 2” (50MM)

MAXIMUM HOSE LENGTHS -
18 METRES (59 FEET) UP TO 1 1/4”, 17 METRES (56 FEET) 1 1/2”
10 METRES (33 FEET) 2”

TEMPERATURE LIMITS -
FROM -40 °C (-40 °F) UP TO + 60 °C (+140 °F) CONTINUOUS

WORKING PRESSURE RATINGs -
FROM 25 BAR (363 PSI) FOR 1” BORE, TO 15 BAR (218 PSI) FOR 2” BORE

VACUUM LIMITATIONS -
USABLE AT VACUUM TO -0.9BAR FOR ALL SIZES

END FITTING OPTIONS - Non-lined, or PTFE lined and flared design:
ANSI 150, DIN AND JIS SWIVEL FLANGE FITTINGS, CAM & GROOVE FITTINGS AND DIP PIPES

END FITTING OPTIONS - Non-lined design:
SANITARY TRI-CLAMP FITTINGS, BSP, NPT AND JIC THREADED FITTINGS, DIN 11851, RJT AND SMS HYGIENIC FITTINGS

SUITABLE FOR CONTINUOUS USE WITH HALOGENS AND HALIDE CONTAINING MEDIA INCLUDING CHLORINE, HYDROCHLORIC ACID, BROMINE, HYDROBROMIC ACID AND HYDROGEN FLUORIDE.

BIOFLEX ULTRA HF ACID HOSE SPECIFICATIONS

<table>
<thead>
<tr>
<th>Nominal Hose Size</th>
<th>Actual Bore Size</th>
<th>Outside Diameter</th>
<th>Maximum Working Pressure</th>
<th>Burst Pressure</th>
<th>Minimum Bend Radius</th>
<th>Maximum Continuous Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>in</td>
<td>mm</td>
<td>in</td>
<td>mm</td>
<td>psi</td>
<td>bar</td>
<td>psi</td>
</tr>
<tr>
<td>1</td>
<td>25</td>
<td>1</td>
<td>25.4</td>
<td>1.75</td>
<td>44.4</td>
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</tr>
<tr>
<td>1 1/4</td>
<td>32</td>
<td>1 1/4</td>
<td>32</td>
<td>2.02</td>
<td>51.3</td>
<td>334</td>
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<tr>
<td>1 1/2</td>
<td>40</td>
<td>1 1/2</td>
<td>38</td>
<td>2.23</td>
<td>56.6</td>
<td>290</td>
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<tr>
<td>2</td>
<td>50</td>
<td>2</td>
<td>50.8</td>
<td>2.87</td>
<td>72.9</td>
<td>218</td>
</tr>
</tbody>
</table>

INNER ORANGE POLYPROPYLENE BRAID

OUTER BLACK POLYPROPYLENE Braid WITH ORANGE TRACER.

DOUBLE WOUND MONEL HELIX FOR ELECTRICAL CONTINUITY

AN INTERNALLY SMOOTH, EXTERNALLY CONVOLUTED PTFE LINER

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www.mcgillhose.com - sales@mcgillhose.com
• **Pressure and Temperature Limitations**
  
  **Maximum Working Pressures** - as listed above apply from -40 °C (-40 °F) up to the maximum operating temperature of 60 °C (140 °F).
  
  **Burst Pressures** - The hose burst pressures are equal to or more than the maximum working pressures × 4.

• **Vacuum Limitations**
  
  Usable at vacuum to -0.9bar up to 60°C (302°F).

• **Flexibility**
  
  Much less force to bend than any other smooth bore PTFE lined hose product.

• **Kink resistance**
  
  Good kink resistance, when compared to traditional smoothbore type products.

• **‘Rolling U’ Flex Life Test**
  
  More than 100 × the flex life to failure compared with all other types of smooth bore PTFE, FEP and PFA lined rubber covered hose products.

• **Flow rates**
  
  More than 2 times the flow rates for convoluted bore hose designs. Consult Aflex Hose for specific flow rate information.

• **Gas permeability**
  
  Reduced gas permeability compared with other PTFE lined hose designs, due to the heavy compression applied to the PTFE during processing which reduces porosity.