Bioflex Ultra

PTFE Hose for biotechnology & pharmaceutical fluid transfer

Very flexible, yet kink resistant - smooth bore for uninterrupted fluid flow and ease of cleaning

BIOFLEX ULTRA SS, RC - RUBBER COVERED PTFE HOSE ASSEMBLY

BIOFLEX ULTRA SS - WIRE BRAided PTFE HOSE ASSEMBLY

BIOFLEX ULTRA HOSE SPECIFICATIONS

HOSE BORE SIZE RANGE -
3/8" (9.5MM) UP TO 3" (80MM)

HOSE LENGTHS -
UP TO 100 FEET (30 METERS) UP TO 2", 60 FEET (18 METERS) UP TO 2 1/2", 50 FEET (15 METERS) UP TO 3"

VACUUM LIMITATIONS -
USABLE AT VACUUM TO -0.9BAR FOR ALL SIZES UP TO 392°F (200°C). 212°F (+100°C) FOR TUBE ONLY GRADE (TO)

END FITTING OPTIONS Non-Lined, or PTFE Lined and Flared design for:
SANITARY TRICLAMP, HYGIENIC SMS, DIN 11851, I-LINE, ANSI 150, DIN AND JIS SWIVEL FLANGE, CAM & GROOVE, AND DIP PIPES.
LASER ETCHED FERRULE FOR ULTIMATE TRACEABILITY

TEMPERATURE LIMITS -
SS Braided Hose -100°F (-73°C) TO +500°F (+260°C)
EPDM Rubber Covered Hose -40°F (-40°C) TO +302°F (+150°C)
Silicone Rubber Covered Hose -100°F (-73°C) TO +400°F (+204°C)
Polypropylene Braided Hose -22°F (-30°C) TO +212°F (+100°C)

END FITTING OPTIONS - Non-Lined design for:
BSP, NPT AND JIC THREADED FITTINGS, AND RJT FITTINGS

BRAID DESIGN OPTIONS - STAINLESS STEEL WIRE (GRADE SS) OR POLYPROPYLENE YARN BRAID (GRADE PB)

EXTERNAL COVER OPTIONS - BLUE (GRADE RC) OR BLACK (GRADE BK) EPDM RUBBER COVER, OR CLEAR SILICONE RUBBER COVER (GRADE SI)
**The Maximum Working Pressure of a hose assembly is limited to the lowest of the MWP's of either of the two end fittings, or of the hose itself as listed above. The MWP of the hose reduces as the operating temperature increases, consult Aflex Hose for guidance.**

Note: 2 1/2" & 3" TO (Tube only) cannot be ordered as an assembly.

<table>
<thead>
<tr>
<th>Nominal Hose Bore Size</th>
<th>Actual Bore Size</th>
<th>Bioflex Ultra Grade (Braid &amp; Cover)</th>
<th><strong>Maximum Working Pressure of Hose</strong></th>
<th>Burst Pressure</th>
<th>Minimum Bend Radius</th>
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<td>in</td>
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<td>Helical Wire</td>
<td>Bar</td>
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<td>3/4</td>
<td>3.28</td>
<td>0.80</td>
<td>0.36</td>
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<td>1/2</td>
<td>1.58</td>
<td>0.60</td>
<td>0.24</td>
<td>TO</td>
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<tr>
<td>3/8</td>
<td>0.76</td>
<td>0.30</td>
<td>0.12</td>
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<td>5/32</td>
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*The 7/8", 13/8" and 17/8" hose sizes are only suitable for use with PTFE lined sanitary clamp (or triclover) end fittings and PTFE lined I-Line end fittings.**

**View ‘Rolling U’ Test on website**

BFXU - USA/13.12.19 Rev 5

Our Locations:
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