PHARMALINE® X
PTFE Hose for biotechnology and pharmaceutical fluid transfer

Replaces silicone rubber hose in applications where total internal chemical resistance is required

FOR THE FULL PHARMALINE X HOSE BROCHURE PLEASE VISIT - WWW.AFLEX-HOSE.COM

PHARMALINE X HOSE SPECIFICATIONS

HOSE BORE SIZE RANGE -
⅛" (6.4MM) UP TO 2" (50MM)

HOSE LENGTHS -
20 METRES (65 FEET) UP TO 1", 6 METRES (20 FEET) UP TO 2"

TEMPERATURE LIMITS -
FROM -100°F (-73°C) UP TO +400°F (+204°C)

WORKING PRESSURE RATINGS -
109 PSI (7.5 BAR) FOR ⅛" TO 29 PSI (2 BAR) FOR 2"

VACUUM LIMITATIONS -
USABLE AT VACUUM TO -0.9BAR FOR ALL SIZES UP TO 302°F (150°C)

END FITTING OPTIONS Non-Lined design for:
SANITARY TRICLAMP FITTINGS, ANSI 150 FLANGE FITTINGS, DIN FITTINGS, CAM & GROOVE FITTINGS AND MORE. LASER ETCHED FERRULE FOR ULTIMATE TRACEABILITY.
### SPECIFICATIONS FOR PHARMALINE X HOSE GRAPES

<table>
<thead>
<tr>
<th>Nominal Hose Bore Size</th>
<th>Actual Hose Bore Size</th>
<th>Helix Wire</th>
<th>Outside Diameter of Cover</th>
<th>Minimum Bend Radius</th>
<th>*Maximum Working Pressure</th>
<th>Burst Pressure</th>
<th>Weight per Unit Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>in</td>
<td>mm</td>
<td>in</td>
<td>mm</td>
<td>in</td>
<td>in</td>
<td>in</td>
<td>lb/ft</td>
</tr>
<tr>
<td>1/4</td>
<td>6.4</td>
<td>0.260</td>
<td>6.6</td>
<td>-</td>
<td>0.456</td>
<td>11.6</td>
<td>0.260</td>
</tr>
<tr>
<td>3/8</td>
<td>9.5</td>
<td>0.382</td>
<td>9.7</td>
<td>-</td>
<td>0.610</td>
<td>15.5</td>
<td>0.382</td>
</tr>
<tr>
<td>1/2</td>
<td>12.7</td>
<td>0.516</td>
<td>13.1</td>
<td>√</td>
<td>0.845</td>
<td>21.4</td>
<td>0.516</td>
</tr>
<tr>
<td>5/8</td>
<td>16.0</td>
<td>0.638</td>
<td>16.2</td>
<td>√</td>
<td>0.990</td>
<td>25.2</td>
<td>0.638</td>
</tr>
<tr>
<td>3/4</td>
<td>19.0</td>
<td>0.760</td>
<td>19.3</td>
<td>√</td>
<td>1.120</td>
<td>28.5</td>
<td>0.760</td>
</tr>
<tr>
<td>1</td>
<td>25.4</td>
<td>1.012</td>
<td>25.7</td>
<td>√</td>
<td>1.455</td>
<td>37.0</td>
<td>1.012</td>
</tr>
<tr>
<td>1 1/4</td>
<td>32.0</td>
<td>1.268</td>
<td>32.2</td>
<td>√</td>
<td>1.755</td>
<td>44.6</td>
<td>1.268</td>
</tr>
<tr>
<td>1 1/2</td>
<td>38.0</td>
<td>1.516</td>
<td>38.5</td>
<td>√</td>
<td>2.035</td>
<td>51.7</td>
<td>1.516</td>
</tr>
<tr>
<td>2</td>
<td>50.0</td>
<td>2.012</td>
<td>51.1</td>
<td>√</td>
<td>2.580</td>
<td>65.6</td>
<td>2.012</td>
</tr>
</tbody>
</table>

*Maximum Working Pressures do not vary with temperature*

**Maximum Working Pressures (MWP)**
The lesser of the MWP for the hose and the MWP of either of the end fittings.

**Temperature Limitations**
Usable from -100°F (-73°C) up to +400°F (+204°C)

**Vacuum Limitations**
Pharmaline X hose is usable at vacuum to -0.9bar up to 302°F (150°C).

**Rolling U Test for Flex Life**
(View this in the 'Videos' section of our website)
More than 15x the flex life to failure compared with other types of rubber covered, smoothbore PTFE lined hose products.

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

**Kink Resistance** (See website for video)
Much more resistant to kinking than any other equivalent smooth bore PTFE lined hose product.

---

**Disclaimer:** The information contained in this document is believed to be correct but Aflex Hose Limited accepts no liability for any errors it contains and reserves the right to alter specifications without notice. It is the user's responsibility to ensure product suitability for use within their application. Bioflex, Corroflon, Corroline, Hyperline FX, Pharmaline are registered trademarks of Aflex Hose Limited.