PHARMALINE® N
PTFE Hose for biotechnology and pharmaceutical fluid transfer

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

PHARMALINE N HOSE SPECIFICATIONS

HOSE BORE SIZE RANGE -

1/4" (6.4MM) UP TO 3" (80MM)

MAXIMUM HOSE LENGTHS -

100 FEET (30 METERS) UP TO 1 1/2", 80 FEET (25 METERS) 2"
60 FEET (18 METRES) 2 1/2", 50 FEET (15 METRES) 3"

TEMPERATURE LIMITS -

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

WORKING PRESSURE RATINGS -

1160 PSI (80 BAR) FOR 1/4" TO 218 PSI (15 BAR) FOR 3"

VACUUM LIMITATIONS -

USABLE AT VACUUM TO -0.9BAR FOR ALL SIZES UP TO 392°F (200°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.

FOR THE FULL PHARMALINE N HOSE BROCHURE PLEASE VISIT - WWW.AFLEX-HOSE.COM
**SPECIFICATIONS FOR PHARMALINE N HOSE GRADES**

<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><em>Maximum Working Pressure</em></th>
<th>Burst Pressure</th>
<th>Weight per Unit Length</th>
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<tbody>
<tr>
<td>in</td>
<td>in</td>
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<td>in</td>
<td>in</td>
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*Maximum Working Pressures vary with temperature as in graph below

**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 N hose is usable at vacuum to -0.9bar up to 392°F (200°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.

**SOAKABLE**
Pharmaline N hose assemblies are soakable.

**TEMPERATURE & MAXIMUM WORKING PRESSURE GRAPH FOR PHARMALINE N**

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A member of Watson-Marlow Fluid Technology Group.
A Spirax-Sarco Engineering plc company