CORROLINE®
PTFE hose for chemical and process fluid transfer

Very flexible - very tough - fully kink and crush resistant - smooth bore for fast flow and easy clean

For the full CORROLINE® hose brochure please visit - www.aflex-hose.com

CORROLINE® PTFE HOSE ASSEMBLY

PTFE lined & flared swivel flange end fitting

CORROLINE® PTFE HOSE ASSEMBLY

Non-lined swivel flange end fitting

CORROLINE® HOSE SPECIFICATIONS

HOSE BORE SIZE RANGE -

1/2" (13MM) UP TO 3" (80MM)

HOSE LENGTHS -

100 FEET (30 METRES) UP TO 2", 59 FEET (18 METRES) UP TO 2 1/2", 49 FEET (15 METRES) UP TO 3"

TEMPERATURE LIMITS -

FROM -40°F (-40°C) UP TO +302°F (+150°C) CONTINUOUS

WORKING PRESSURE RATINGS -

FROM 1000 PSI (69 BAR) FOR 1/2" BORE, TO 218 PSI (15 BAR) FOR 3" BORE

VACUUM LIMITATIONS -

USABLE AT VACUUM TO -0.9BAR FOR ALL SIZES

END FITTING OPTIONS - Non-lined, or PTFE lined and flared design for:

ANSI 150, DIN AND JIS SWIVEL FLANGE FITTINGS, CAM & GROOVE FITTINGS AND DIP PIPES

END FITTING OPTIONS - Non-lined design for:

SANITARY TRI-CLAMP FITTINGS, BSP, NPT AND JIC THREADED FITTINGS, DIN 11851, RJT AND SMS HYGIENIC FITTINGS

ALTERNATIVE DESIGN OPTIONS (TO SPECIAL ORDER) -

IF BRAIDED ONLY, DIFFERENT COLOUR RUBBER COVERS, OR PTFE LINED AND FLARED END FITTINGS FOR THE OTHER FITTING DESIGNS ARE REQUIRED, IT MAY BE POSSIBLE TO MATCH THOSE REQUIREMENTS WITH THE BIOFLEX ULTRA PRODUCT - CONSULT AFLLEX HOSE.

For the full CORROLINE® hose brochure please visit - www.aflex-hose.com
<table>
<thead>
<tr>
<th>Nominal Hose Size</th>
<th>Actual Bore Size</th>
<th>Outside Diameter</th>
<th>Maximum Working Pressure</th>
<th>Minimum Bend Radius</th>
<th><strong>Maximum Continuous Lengths</strong></th>
<th>Weight per Unit Length</th>
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</thead>
<tbody>
<tr>
<td>in</td>
<td>mm</td>
<td>in</td>
<td>mm</td>
<td>psi</td>
<td>bar</td>
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<tr>
<td>1/2 *</td>
<td>13</td>
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<tr>
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<td>2.03</td>
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<tr>
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<td>218</td>
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</table>

* The 1/2” and 3/4” size hoses do not include the helical wire embedded in the rubber
** Longer lengths may be available, to special order

- **Pressure and Temperature Limitations**
  - Maximum Working Pressures - as listed above apply from -40°F (-40°C) up to the maximum operating temperature of 302°F (150°C).
  - 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 302°F (150°C).

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

- **Kink resistance**
  Much more resistant to kinking than any other smooth bore PTFE lined hose product, and much more kink resistant than the previous Corroline product.

- **Fire resistance**
  Corroline® hose is Fireproof to BS5173 Section 103.13 Parts 6.2 and 6.3, and Corroline® hose assemblies can be upgraded to Fireproof by applying DBK 300 at each end (see full brochure). All assemblies comply with the flammability requirement as set out in EN 16643:2016.

- **'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.

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