ProFlex™ PFA offers super long lengths, excellent chemical resistance and flexibility. PFA has the same chemical and temperature resistance as PTFE and much better flex life than FEP. ProFlex PFA open pitch spiral convolutions aid in draining, flushing and cleaning of the hose. ProFlex industrial grade PFA was designed for customer applications that don’t require or need Pharmaceutical grade hose. For Pharmacopeia class VI or semi-conductor applications please request ProFlex “HP”.

**PROFLEX™ ADVANTAGES**

**Corrosion Resistant**
PFA is fully resistant to the broadest range of industrial chemicals and has a zero corrosion rate with lower life cycle costs.

**Long Continuous Lengths**
Up to 1,000 feet long (size dependant) excellent for slip lining failed piping systems.

**Ease of Fabrication**
Fittings do not need PTFE tape wrap on fitting barb and insert does not require any tooling to be installed. Cut & crimp - reduced fabrication costs.

**Cleanable**
Non-Stick, low porosity tube is self cleaning and does not trap bacteria and can be cleaned with steam, detergents, caustics or solvents.

**Flexible**
Lower forces needed to bend or flex, aids in installation and operation.

**MultiFlex™ & ProFlex™ Specification Data**

Stainless braid and bare hose temperature range: (-)65°F (-54°C) to (+)450°F (+232°C)
Polypropylene braid temperature range: (-)20°F (-29°C) to (+)250°F (+121°C)

<table>
<thead>
<tr>
<th>I.D Nominal (inch)</th>
<th>OPERATING PRESSURE (psi)</th>
<th>Minimum Bend Radius (inch)</th>
<th>Vacuum Rating (in-Hg)</th>
<th>Weight Per Foot (lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>S.S. Braid</td>
<td>Polypro Braid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>1500</td>
<td>575</td>
<td>1.50</td>
<td>28.9</td>
</tr>
<tr>
<td><strong>5/8&quot;</strong></td>
<td>1200</td>
<td>550</td>
<td>1.50</td>
<td>29.9</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>1100</td>
<td>500</td>
<td>2.00</td>
<td>29.9</td>
</tr>
<tr>
<td>1&quot;</td>
<td>1000</td>
<td>400</td>
<td>2.50</td>
<td>29.9</td>
</tr>
<tr>
<td>1-1/4&quot;</td>
<td>875</td>
<td>350</td>
<td>3.13</td>
<td>29.9</td>
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<tr>
<td>1-1/2&quot;</td>
<td>750</td>
<td>300</td>
<td>3.75</td>
<td>29.9</td>
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<tr>
<td>2&quot;</td>
<td>625</td>
<td>250</td>
<td>6.50</td>
<td>24.0</td>
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<tr>
<td>3&quot;</td>
<td>150</td>
<td>150</td>
<td>9.50</td>
<td>20.0</td>
</tr>
</tbody>
</table>

Operating pressure ratings are one-fourth the minimum burst pressure at (+)70°F (21°C)
Pressure and vacuum ratings are based at (+)70°F (21°C)
** 5/8" size is only available in ProFlex series hose.
PureFlex has (24) CNC machining centers and manufactures the most diverse fitting and collar selection in the industry. Because of its machining expertise, PureFlex can also offer a wide range of materials including; Stainless steel, carbon steel, Monel, Hastelloy, titanium, solid PVDF, solid Polypropylene and any other plastic or alloy requested.
Hose Cover Options

1. SCUFF SLEEVE
   Protects hose exterior from damage when dragged over rough surfaces

2. FIRE SLEEVE
   Protects hose from extreme exterior temperatures. Can be used as insulation and protects personnel from extreme interior temperatures

3. POLYOLEFIN
   Provides a smooth, cleanable covering over braided hose. Many colors available

4. ARMOR GUARD
   Protects hose from kinking by not allowing it to exceed its bend radius

5. SPRING GUARD
   Provides kink resistance and protects hose from damage when dragged over rough surfaces

6. HDPE ARMOR
   Provides kink and wear protection during rough handling. Available in (8) colors for color coding and is the only protective cover that can be installed on an existing assembly.

Electrically Heated Hoses & Controls
Consult Factory for more information

Custom Fabricated Assemblies
MultiFlex hose with integral FEP sight gauge shown

PureFlex acid etches a unique serial number on every assembly 3/4" and larger. Other special tagging available

Durcor-62™ Composite Flanges

- Strong As Steel
- 1/4 The Weight Of Stainless
- Class 150 Rated
- ANSI B16.5
- (-)60°F to (+)300°F
- Lower Cost Than 316s.s.
- Lower Transportation Cost
- Lower Installed Cost
- Lower Life Cycle Cost
- Zero Corrosion Rate
- 5 Year Warranty

Ph. 616.554-1100  www.pureflex.com  Fax 616.554-3633
HOW TO ORDER

ULTRAFLEX HOSE ASSEMBLY NUMBERING SYSTEM
Steps to order a 1” UltraFlex assembly with a length of 12”, 316SS male NPT one end, 316SS JIC other end. No options.

Sample part number: 016J036306001200

<table>
<thead>
<tr>
<th>Step 1</th>
<th>Step 2</th>
<th>Step 3</th>
<th>Step 4</th>
<th>Step 5</th>
<th>Step 6</th>
<th>Step 7</th>
<th>Step 8</th>
<th>Step 9</th>
</tr>
</thead>
<tbody>
<tr>
<td>J</td>
<td>0</td>
<td>3</td>
<td>6</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1200</td>
</tr>
</tbody>
</table>

**STEP A1**
Hose Series

U = UltraFlex
M = MultiFlex
P = Proflex

**STEP 1**
Determine I.D. of UltraFlex tube:
16 = 1"

06 = 1/2”
12 = 3/4”
16 = 1”
24 = 1-1/2”
32 = 2”
48 = 3”
64 = 4”

**STEP 2**
Determine hose product code: J

U = Bare
J = SS Braid
P = PP Braid
S = Special

**STEP 3**
Determine fitting style of 1st end:
03 = Male NPT

Threaded
03 = Male pipe hex NPT
04 = Male pipe NPT
06 = Female pipe NPT
30 = JIC female swivel
33 = Male union (NPT)
36 = Female union (NPT)
37 = Female swivel NPSH

Flanges
05 = Flange retainer
15 = Flange retainer Pseries
25 = Enc. flange retainer
29 = Flare thru flange

Camlock
07 = Female cam lock "D"
27 = Enc. female cam lock "D"
08 = Male cam lock "E"
28 = Enc. male cam lock "E"

Compression
31 = D-ring female swivel "D"
38 = Compression adapter
39 = Compression connector w/nut & ferrule

Buttweld
18 = Tube buttweld
19 = Pipe buttweld

Sanitary
40 = Sanitary tri-clamp
40U = Sanitary flare thru
41 = Sanitary step-up
43 = Sanitary mini
48 = Hine male
49 = Hine female
45 = Bevel seat female
46 = Bevel seat male

**STEP 4**
Determine fitting material: 6 = 316SS

4 = 304SS
6 = 316SS
C = Carbon steel
T = TFE encapsulated
H = Hastelloy
M = Monel
A = Alloy 20
K = Kynar
P = Polypropylene

**STEP 5**
Determine fitting style of 2nd end:
30 = JIC

Threaded
03 = Male pipe hex NPT
04 = Male pipe NPT
06 = Female pipe NPT
30 = JIC female swivel
33 = Male union (NPT)
36 = Female union (NPT)
37 = Female swivel NPSH

Flanges
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15 = Flange retainer Pseries
25 = Enc. flange retainer
29 = Flare thru flange

Camlock
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48 = Hine male
49 = Hine female
45 = Bevel seat female
46 = Bevel seat male

**STEP 6**
Determine fitting material: 6 = 316SS

4 = 304SS
6 = 316SS
C = Carbon steel
T = TFE encapsulated
H = Hastelloy
M = Monel
A = Alloy 20
K = Kynar
P = Polypropylene

**STEP 7**
Determine flange material: 0 = None

D = None
D = Ductile iron
C = Carbon steel
4 = 304SS
6 = 316SS
K = Kynar
P = Polypropylene

**STEP 8**
Determine overall length of UltraFlex hose in inches:
0120 = 12"

Last digit in 1/8th increments.

**STEP 9**
Determine options:
0 = None

D = None
B = Conductive hose liner
Z = 300# Flg
L = Locking female cam
S = Spring guard
A = Armor guard
F = Firesleeve
P = Polyolefin cover
T = TFE shrink cover
H = Hypalon cover
N = Nylon scuff guard
D = HDPE Armor

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