100% COMPLIANT WITH
THE CHLORINE INSTITUTE’S PAMPHLET 6

Demand PureFlex® Quality

CL2™
CHLORINE-BROMINE
TRANSFER HOSES

PureFlex®
Inc.
PureFlex CL2 hose assemblies are specifically designed for the safe transfer of chlorine in manufacturing, transporting and packaging industries. It is ideal for loading/unloading barges, rail cars, tankers and filling 1-ton, 100 lb and 150 lb cylinders. CL2 hose has excellent chemical resistance and is not subject to stress fatigue or corroding like metal hose. It is light weight, easy to clean and resists corrosion from any exposure to moisture/humidity which can unintentionally enter systems. CL2 hose assemblies are 100% compliant with the Chlorine Institute’s Pamphlet 6.

### Specifications

<table>
<thead>
<tr>
<th>HOSE I.D. NOMINAL (in)</th>
<th>HOSE O.D. NOMINAL (in)</th>
<th>MAX. OPERATING PRESSURE* (psig)</th>
<th>MIN. BURST PRESSURE* (psig)</th>
<th>PROOF PRESSURE TEST (psig)</th>
<th>NOMINAL WEIGHT** (lbs/ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2</td>
<td>.75</td>
<td>500</td>
<td>2500</td>
<td>1000</td>
<td>.19</td>
</tr>
<tr>
<td>1</td>
<td>1.5</td>
<td>375</td>
<td>1875</td>
<td>750</td>
<td>.40</td>
</tr>
<tr>
<td>1-1/2</td>
<td>2.10</td>
<td>375</td>
<td>1875</td>
<td>750</td>
<td>.59</td>
</tr>
<tr>
<td>2</td>
<td>2.62</td>
<td>300</td>
<td>1500</td>
<td>600</td>
<td>.87</td>
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</table>

*Pressure ratings are based at +70°F (21°C).
**Weight can vary depending on braid guard selection.

**CL2 hose consists of two layers of high pressure rated PVDF (Kynar®) braid that is resistant to wet or dry chlorine service (1/2" is single braid). PVDF braid is specified by the Chlorine Institute.

100% compliant, “All Monel” hose construction
Contact Pureflex for more details
PureFlex options on CL2 hose chafe guards include (left to right):
- PVDF Kynar® heavy braid
- HDPE abrasion guard
- CPE pin pricked rubber

PureFlex offers the widest selection of hose end fittings and materials:
- Schedule 80 NPTs
- Schedule 80 flange retainers
- PFA encapsulated Schedule 80 flange retainers
- Monel material for dry chlorine (standard)
- Hastelloy C276® material for wet chlorine (option)

PureFlex TASK-LINE® Gaskets are manufactured with virgin PTFE resin molded around and through a stainless steel perforated metal insert. TASK-LINE Gaskets are recommended for chlorine service due to many advantages:
- Zero corrosion rate
- Blow-out protection
- Seats and releases easily
- -100°F to +400°F

Every PureFlex CL2 hose contains the following information as specified by the Chlorine Institute:
- PureFlex, Inc.
- Manufacturing date
- For chlorine service
- Maximum working pressure
- Minimum bend radius
- Gas test pressure
- Minimum service temperature

Also available.

PureFlex collar materials:
- Monel, primary braid collar
- Stainless, secondary chafe guard collar as specified by the Chlorine Institute

1" wide hex flats as specified by the Chlorine Institute.
PUREFLEX® HOSE ASSEMBLY NUMBERING SYSTEM
Steps to order a 1" CL2 assembly with a length of 12", Monel NPT both ends, Kynar braid with Kynar chafe guard.

Sample part number: CL2-16K03M03M00120K

<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>CL2-</td>
<td>16</td>
<td>K</td>
<td>03</td>
<td>M</td>
<td>03</td>
<td>M</td>
<td>0</td>
<td>012</td>
</tr>
</tbody>
</table>

**STEP 1**
Determine size:
16 = 1"
06 = 1/2"
16 = 1"
24 = 1-1/2"
32 = 2"

**STEP 2**
Determine hose braid:
K = Kynar
K = Kynar

**STEP 3**
Determine fitting style of 1st end:
03 = Male NPT
Threaded
03 = Male pipe hex NPT
Flanges
05 = Flange retainer
25 = Enc. flange retainer

**STEP 4**
Determine fitting material: M = Monel
H = Hastelloy
M = Monel

**STEP 5**
Determine fitting style of 2nd end:
03 = Male NPT
Threaded
03 = Male pipe hex NPT
Flanges
05 = Flange retainer
25 = Enc. flange retainer

**STEP 6**
Determine fitting material: M = Monel
H = Hastelloy
M = Monel

**STEP 7**
Determine flange material: G = None
D = None
M = Monel
H = Hastelloy

**STEP 8**
Determine overall length of CL2 hose in inches:
0120 = 12"
Last digit in 1/8th increments.

**STEP 9**
Determine chafe guard options:
K = Kynar
E = HDPE abrasion guard (high-density polyethylene)
K = Kynar braid
R = CPE pin pinched

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