Founded in 1979, Bay Corporation was established in response to the medical industry's need for a reliable source of quality medical gas fittings and connections. Today, we are considered the leading independent medical gas fittings, connections, adaptors and hose manufacturer for Respiratory, Anesthesia, Surgical, Dental, Emergency Care, and Home Care equipment. Our products are used by Original Equipment Manufacturers, Medical Device Distributors, Medical Equipment Repair and Refurbishing companies, and Hospital Biomedical personnel around the world.

Bay Corporation is committed to serving our customers’ needs as we strive to provide a great place to work for our employees. We are dedicated to providing a professional and ethical atmosphere, which is reflected in our extensive line of products and customer service. In addition, we are known for our quick, off-the-shelf delivery of in-stock products. With 33,000 square feet, our manufacturing facility is designed to meet the growing needs of our customers.

We sincerely appreciate your consideration of Bay Corporation and look forward to serving you.

We are Your Medical Gas Fittings Specialist™!

---

**Color-coding Explanation**

Color-coding is used as a gas identifier worldwide for medical gas fittings and connections. The following color-coding chart is for your assistance.

<table>
<thead>
<tr>
<th>Gas</th>
<th>USA</th>
<th>ISO</th>
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</thead>
<tbody>
<tr>
<td>Carbon Dioxide</td>
<td>Grey</td>
<td>Grey</td>
</tr>
<tr>
<td>He-O₂</td>
<td>Brown and Green</td>
<td>Brown and White</td>
</tr>
<tr>
<td>Medical Air</td>
<td>Yellow</td>
<td>Black and White</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>Black</td>
<td>Black</td>
</tr>
<tr>
<td>Nitrous Oxide</td>
<td>Blue</td>
<td>Blue</td>
</tr>
<tr>
<td>O₂-He</td>
<td>Green and Brown</td>
<td>White and Brown</td>
</tr>
<tr>
<td>Oxygen</td>
<td>Green</td>
<td>White</td>
</tr>
<tr>
<td>Vacuum (Suction)</td>
<td>White</td>
<td>Yellow</td>
</tr>
<tr>
<td>WAGD (EVAC)</td>
<td>Purple</td>
<td>Purple</td>
</tr>
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</table>
Table of Contents

DISS Nuts ................................................................. 4
DISS Body Adaptors ................................................... 5
DISS Nipples ................................................................ 6
DISS Nipples with O-rings ............................................. 7
DISS 1240 Oxygen Nuts, Nipples and Components ........... 8
DISS 1240 Oxygen Body Adaptors ................................ 9
DISS 1240 Oxygen Adaptors and Connections ................ 10
DISS 1240 Oxygen Female Adaptors ................................ 11
DISS Hex Nut & Nipple Combinations ............................ 12
DISS Hand-Tight Nut & Nipple Combinations .................... 13
Demand Check Units .................................................. 14
One-Way Check Valves ................................................ 15
Power Take-Off Assemblies ......................................... 16
Dual Outlet Y-Connections ............................................ 17
Chemetron® Style Dual Outlet Connections ....................... 18
Ohmeda® Style Dual Outlet Connections ........................ 19
Chemetron® Style Male Quick-Connects ........................... 20
Chemetron® Style Female Couplers ................................. 21
Ohmeda® Style Male Quick-Connects .............................. 22
Ohmeda® Style Female Couplers .................................... 23
Schrader® Non-Swivel Style Male Quick-Connects ............... 24
Schrader® Swivel Style Male Quick-Connects .................... 25
Schrader® Style Female Couplers and Dual Outlet Connections 26
Puritan® Style Female Couplers and Dual Outlet Connections 27
Puritan® Style Male Quick-Connects ................................. 28
Oxygen Neb Drives ..................................................... 29
Conductive Hose ....................................................... 30
Non-Conductive Hose ................................................ 31
Hose Assembly Matrix ............................................... 32-33
International Fittings .................................................. 34
International Hose Assemblies ....................................... 34
Components for Hose Assemblies .................................... 35-36
Medical Grade Vinyl Tubing .......................................... 37
Teflon Tape .............................................................. 37
Leak Detection Fluid .................................................. 37
Water Trap Assemblies ................................................. 38
Compact Valves ......................................................... 39
Pipe Thread to Barbed Hose Adaptors .............................. 40-41
Pipe Thread Fittings .................................................... 42-43
Flexible Pigtails ......................................................... 44
Oxygen Rigid Pigtails ................................................... 45
High-Pressure Fittings ................................................ 45
CGA Series Cylinder Valve Connections ........................ 46
Cylinder Wrenches ..................................................... 47
Pin-Indexed Yoke Assemblies ....................................... 48-49
Diameter-Index Safety System explanation ..................... 50
Warranty and Remedy -and- Terms and Conditions of Sale .... 51
**Hex Nut** *(Gas Service Stamped on Nut)*

- 3/4"-16 Thread
  - Carbon Dioxide, DISS 1080-A .................. 1084A
  - He-O₂ mixture (I), DISS 1060-A .............. 1064A
  - Medical Air, DISS 1160-A ..................... 1164A
  - Nitrogen, DISS 1120-A ......................... 1124A
  - Nitrous Oxide, DISS 1040-A ................... 1044A
  - O₂-He mixture (II), DISS 1180-A .............. 1184A
  - Vacuum (Suction), DISS 1220 .................. 1224A

- 7/8"-14 Thread
  - Instrument Air (III), DISS 2080 ................. 2084
  - WAGD (EVAC), DISS 2220 ....................... 2224

**Hand-Tight Nut** *(Color-Coded for Gas Service)*

- U.S. Color-Coded
  - 3/4"-16 Thread
    - Carbon Dioxide, DISS 1080-A...Grey .......... 1084AHT
    - Medical Air, DISS 1160-A ......Yellow ........... 1164AHT
    - Nitrogen, DISS 1120-A ........Black ............... 1124AHT
    - Nitrous Oxide, DISS 1040-A ....Blue .............. 1044AHT
    - Vacuum (Suction), DISS 1220 ..White ............. 1224AHT

- 7/8"-14 Thread
  - WAGD (EVAC), DISS 2220 ........Purple ............ 2224HT

- ISO Color-Coded
  - Medical Air, DISS 1160-A ........Black & White..1164AHTC
  - Vacuum (Suction), DISS 1220 ......Yellow .......... 1224HTC

**Cap & Chain Assembly (IV)**

- 3/4"-16 Thread
  - Carbon Dioxide, He-O₂ mixture (I), Medical Air, Nitrogen, Nitrous Oxide, O₂-He mixture (II), Vacuum (Suction) ......................... 1000CP

- 7/8"-14 Thread
  - Instrument Air (III), WAGD (EVAC) .................. 2000CP

Note: *(I) - Heliox mixtures: Helium over 80%.
 (II) - Heliox mixtures: Helium not over 80%.
 (III) - Intended for the powering of medical devices unrelated to human respiration.
 (IV) - Provides a leak-tight seal rated at 200 psi gas service.*
### DISS Body Adaptors

200 psi max • Gas service stamped on body adaptors • DISS explanation found on page 50

<table>
<thead>
<tr>
<th>Body Adaptor, 1/8&quot; NPT Male</th>
<th>3/4&quot;-16 Thread</th>
</tr>
</thead>
<tbody>
<tr>
<td>He-O₂ mixture (I), DISS 1060-A</td>
<td>1061-2</td>
</tr>
<tr>
<td>Medical Air, DISS 1160-A</td>
<td>1161-2</td>
</tr>
<tr>
<td>Nitrogen, DISS 1120-A</td>
<td>1121-2</td>
</tr>
<tr>
<td>Nitrous Oxide, DISS 1040-A</td>
<td>1041-2</td>
</tr>
<tr>
<td>O₂-He mixture (II), DISS 1180-A</td>
<td>1181-2</td>
</tr>
<tr>
<td>Vacuum (Suction), DISS 1220</td>
<td>1221-2</td>
</tr>
<tr>
<td><strong>7/8&quot;-14 Thread</strong></td>
<td></td>
</tr>
<tr>
<td>Instrument Air (III), DISS 2080</td>
<td>2081-2</td>
</tr>
<tr>
<td>WAGD (EVAC), DISS 2220</td>
<td>2221-2</td>
</tr>
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<table>
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<th>3/4&quot;-16 Thread</th>
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<tr>
<td>Carbon Dioxide, DISS 1080-A</td>
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<td>Medical Air, DISS 1160-A</td>
<td>1161-4</td>
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<tr>
<td>Nitrogen, DISS 1120-A</td>
<td>1121-4</td>
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<tr>
<td>Nitrous Oxide, DISS 1040-A</td>
<td>1041-4</td>
</tr>
<tr>
<td>O₂-He mixture (II), DISS 1180-A</td>
<td>1181-4</td>
</tr>
<tr>
<td>Vacuum (Suction), DISS 1220</td>
<td>1221-4</td>
</tr>
<tr>
<td><strong>7/8&quot;-14 Thread</strong></td>
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<tr>
<td>Instrument Air (III), DISS 2080</td>
<td>2081-4</td>
</tr>
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<td>WAGD (EVAC), DISS 2220</td>
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<table>
<thead>
<tr>
<th>Body Adaptor, 1/8&quot; NPT Female</th>
<th>3/4&quot;-16 Thread</th>
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<tbody>
<tr>
<td>Medical Air, DISS 1160-A</td>
<td>1161-2F</td>
</tr>
<tr>
<td>Nitrogen, DISS 1120-A</td>
<td>1121-2F</td>
</tr>
<tr>
<td>Nitrous Oxide, DISS 1040-A</td>
<td>1041-2F</td>
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<tr>
<td>Vacuum (Suction), DISS 1220</td>
<td>1221-2F</td>
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<table>
<thead>
<tr>
<th>Body Adaptor, Barbed for 1/4&quot; I.D. Hose</th>
<th>3/4&quot;-16 Thread</th>
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<tbody>
<tr>
<td>Medical Air, DISS 1160-A</td>
<td>1161-17</td>
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<table>
<thead>
<tr>
<th>Body Adaptor, Hose Barb with Hand Grip Collar</th>
<th>1/4&quot; I.D. Hose Barb</th>
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<tbody>
<tr>
<td>Carbon Dioxide, DISS 1080-A</td>
<td>1081-17HT</td>
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<tr>
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<td>1161-17HT</td>
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<tr>
<td>Nitrogen, DISS 1120-A</td>
<td>1121-17HT</td>
</tr>
<tr>
<td>Nitrous Oxide, DISS 1040-A</td>
<td>1041-17HT</td>
</tr>
<tr>
<td>Vacuum (Suction), DISS 1220</td>
<td>1221-17HT</td>
</tr>
<tr>
<td><strong>7/8&quot;-14 Thread</strong></td>
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</tr>
<tr>
<td>WAGD (EVAC), DISS 2220</td>
<td>2221-17HT</td>
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<table>
<thead>
<tr>
<th>5/16&quot; I.D. Hose Barb</th>
<th>3/4&quot;-16 Thread</th>
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</thead>
<tbody>
<tr>
<td>Vacuum (Suction), DISS 1220</td>
<td>1221-31HT</td>
</tr>
<tr>
<td><strong>7/8&quot;-14 Thread</strong></td>
<td></td>
</tr>
<tr>
<td>WAGD (EVAC), DISS 2220</td>
<td>2221-31HT</td>
</tr>
</tbody>
</table>

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**Note:**
- (I) - Heliox mixtures: Helium over 80%.
- (II) - Heliox mixtures: Helium not over 80%.
- (III) - Intended for the powering of medical devices unrelated to human respiration.

For DISS Body Adaptors with Demand Check Units and One-Way Check Valves, see pages 14 and 15, respectively.
Nipple, 1/8" NPT Male

Carbon Dioxide, DISS 1080-A..........................1083-2
He-O₂ mixture (I), DISS 1060-A......................1063-2
Instrument Air (III), DISS 2080......................2083-2
Medical Air, DISS 1160-A..............................1163-2
Nitrogen, DISS 1120-A..................................1123-2
Nitrous Oxide, DISS 1040-A............................1043-2
O₂-He mixture (II), DISS 1180-A.....................1183-2
Vacuum (Suction), DISS 1220.......................1223-2
WAGD (EVAC), DISS 2220.............................2223-2

Nipple, 1/4" NPT Male

Carbon Dioxide, DISS 1080-A..........................1083-4
Instrument Air (III), DISS 2080......................2083-4
Medical Air, DISS 1160-A..............................1163-4
Nitrogen, DISS 1120-A..................................1123-4
Nitrous Oxide, DISS 1040-A............................1043-4
Vacuum (Suction), DISS 1220.......................1223-4
WAGD (EVAC), DISS 2220.............................2223-4

Nipple, Barbed for 1/4" I.D. Hose

Carbon Dioxide, DISS 1080-A..........................1083-17
He-O₂ mixture (I), DISS 1060-A......................1063-17
Instrument Air (III), DISS 2080......................2083-17
Medical Air, DISS 1160-A..............................1163-17
Nitrogen, DISS 1120-A..................................1123-17
Nitrous Oxide, DISS 1040-A............................1043-17
O₂-He mixture (II), DISS 1180-A.....................1183-17
Vacuum (Suction), DISS 1220.......................1223-17
WAGD (EVAC), DISS 2220.............................2223-17

Nipple, Barbed for 5/16" I.D. Hose

Vacuum (Suction), DISS 1220.......................1223-31
WAGD (EVAC), DISS 2220.............................2223-31

Retaining Ring

Carbon Dioxide,
He-O₂ mixture (I),
Medical Air,
Nitrogen,
Nitrous Oxide,
O₂-He mixture (II),
Vacuum (Suction).................................RR-1
Instrument Air (III),
WAGD (EVAC)......................................RR-3

Note:  
(I) - Heliox mixtures: Helium over 80%.  
(II) - Heliox mixtures: Helium not over 80%.  
(III) - Intended for the powering of medical devices unrelated to human respiration.
**Nipple with O-ring, 1/8" NPT Male**

- Carbon Dioxide, DISS 1080-A.................................1083-20
- He-O₂ mixture (I), DISS 1060-A..........................1063-20
- Instrument Air (III), DISS 2080............................2083-20
- Medical Air, DISS 1160-A..................................1163-20
- Nitrogen, DISS 1120-A.................................1123-20
- Nitrous Oxide, DISS 1040-A...............................1043-20
- O₂-He mixture (II), DISS 1180-A..........................1183-20
- Vacuum (Suction), DISS 1220.............................1223-20
- WAGD (EVAC), DISS 2220.................................2223-20

**Nipple with O-ring, 1/4" NPT Male**

- Carbon Dioxide, DISS 1080-A.................................1083-40
- Instrument Air (III), DISS 2080............................2083-40
- Medical Air, DISS 1160-A..................................1163-40
- Nitrogen, DISS 1120-A....................................1123-40
- Nitrous Oxide, DISS 1040-A...............................1043-40
- Vacuum (Suction), DISS 1220.............................1223-40
- WAGD (EVAC), DISS 2220.................................2223-40

**Nipple with O-ring, Barbed for 1/4" I.D. Hose**

- Carbon Dioxide, DISS 1080-A.................................1083-170
- He-O₂ mixture (I), DISS 1060-A..........................1063-170
- Instrument Air (III), DISS 2080............................2083-170
- Medical Air, DISS 1160-A..................................1163-170
- Nitrogen, DISS 1120-A....................................1123-170
- Nitrous Oxide, DISS 1040-A...............................1043-170
- O₂-He mixture (II), DISS 1180-A..........................1183-170
- Vacuum (Suction), DISS 1220.............................1223-170
- WAGD (EVAC), DISS 2220.................................2223-170

**Nipple with O-ring, Barbed for 5/16" I.D. Hose**

- Vacuum (Suction), DISS 1220.............................1223-310
- WAGD (EVAC), DISS 2220.................................2223-310

**O-ring Replacement**

- Carbon Dioxide, DISS 1080-A.................................1080-0
- He-O₂ mixture (I), DISS 1060-A..........................1060-0
- Instrument Air (III), DISS 2080............................2080-0
- Medical Air, DISS 1160-A..................................1160-0
- Nitrogen, DISS 1120-A....................................1120-0
- Nitrous Oxide, DISS 1040-A...............................1040-0
- O₂-He mixture (II), DISS 1180-A..........................1180-0
- Vacuum (Suction), DISS 1220.............................1220-0
- WAGD (EVAC), DISS 2220.................................2220-0

**Note:**

(I) - Heliox mixtures: Helium over 80%.

(II) - Heliox mixtures: Helium not over 80%.

(III) - Intended for the powering of medical devices unrelated to human respiration.
DISS 1240 Oxygen Nuts, Nipples, and Components

200 psi max • 9/16"-18 Thread • DISS explanation found on page 50

Hex Nut
Oxygen........................................1244

Hand-Tight Nut
Oxygen, Green..........................1244HT
Oxygen, White (ISO)..................1244HTW

Nipple, 1/8" NPT Male
1" Long..................................1243-1
1 1/2" Long..........................1243-2

Nipple, Hose Barb
For 3/16" I.D. Hose..................1243-18
For 1/4" I.D. Hose........................1243-17
Same with retaining ring groove....1242-3-1

Nipple, 1/8" NPT Male with O-ring
1" Long..................................1243-10
1 1/2" Long..........................1243-20

Nipple, Hose Barb with O-ring
For 3/16" I.D. Hose..................1243-180
For 1/4" I.D. Hose........................1243-170
Same with retaining ring groove..1242-3-10

Components

Replacement O-ring ..................1240-0
Nut Retaining Ring ..................SR-1

Note: (I) - Not intended for static pressure build-up.
Body Adaptor, NPT Male

<table>
<thead>
<tr>
<th>Size</th>
<th>Code</th>
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<tbody>
<tr>
<td>1/8&quot; NPT Male</td>
<td>1241-2</td>
</tr>
<tr>
<td>1/4&quot; NPT Male</td>
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Body Adaptor, NPT Female

<table>
<thead>
<tr>
<th>Size</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8&quot; NPT Female</td>
<td>1241-6</td>
</tr>
<tr>
<td>1/4&quot; NPT Female</td>
<td>1241-7</td>
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Body Adaptor, Hose Barb

Barbed for 1/4" I.D. Hose

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>1241-17</td>
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Body Adaptor, NPT Male with Filtered Orifice (Orifice Size Stamped on Body Adaptor)

<table>
<thead>
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<th>Size</th>
<th>Code</th>
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<tbody>
<tr>
<td>1/8&quot; NPT Male w/#77 Orifice</td>
<td>1241-277</td>
</tr>
<tr>
<td>1/4&quot; NPT Male w/#77 Orifice</td>
<td>1241-477</td>
</tr>
</tbody>
</table>

Body Adaptor, Hose Barb with Hand Grip Collar

Barbed for 1/4" I.D. Hose, Green
Barbed for 1/4" I.D. Hose, White (ISO)

Note: Demand Check Units and One-Way Check Valves, see pages 14 and 15, respectively.
### DISS 1240 Oxygen Adaptors and Connections

200 psi max • 9/16"-18 Thread • DISS explanation found on page 50

<table>
<thead>
<tr>
<th>Description</th>
<th>Page</th>
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<tbody>
<tr>
<td>Cap &amp; Chain Assembly (II)</td>
<td>1242-2</td>
</tr>
<tr>
<td>Tapered Nipple Assembly (I), with hex nut and 5 in. chain</td>
<td>1244-6</td>
</tr>
<tr>
<td>Male Coupler</td>
<td>1242-5</td>
</tr>
<tr>
<td>Female Coupler</td>
<td>1242-11</td>
</tr>
</tbody>
</table>

**Note:**
(I) - Not intended for static pressure build-up.
(II) - Provides a leak-tight seal rated at 200 psi gas service.

### Two-Piece Swivel Outlet, Disposable (I)

<table>
<thead>
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<th>Color</th>
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<tbody>
<tr>
<td>Green</td>
<td>1244-3D</td>
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<tr>
<td>White (ISO)</td>
<td>1244-3DW</td>
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<tr>
<td>Yellow</td>
<td>1244-3YL</td>
</tr>
<tr>
<td>Black</td>
<td>1244-3BL</td>
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### Tapered Nipple Assembly (I), with hand-tight nut and 5 in. chain

<table>
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<th>Code</th>
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</thead>
<tbody>
<tr>
<td>Green</td>
<td>1244-8</td>
</tr>
<tr>
<td>White (ISO)</td>
<td>1244-8W</td>
</tr>
</tbody>
</table>

1.888.835.3800
**DISS 1240 Oxygen Female Adaptors**

200 psi max • 9/16”-18 Thread • DISS explanation found on page 50

### Straight Design with NPT Male

- DISS Female x 1/8” NPT Male ................................................................. 1242-6
- DISS Female x 1/4” NPT Male ................................................................. 1242-7

1242-7 version pictured

### Straight Design with NPT Female

- DISS Female x 1/8” NPT Female ............................................................... 1242-8
- DISS Female x 1/4” NPT Female ............................................................... 1242-9

1242-8 version pictured

### 90° Designs with DISS Male

- DISS Female x DISS Male, ................................................................. 1249-1S
  Nipple Length – 3/4”

- DISS Female x DISS Male, ................................................................. 1249-1
  Nipple Length – 1 1/2”

- DISS Female x DISS Male, ................................................................. 1249-1L
  Nipple Length – 2”

### 90° Design with NPT Male

- DISS Female x 1/8” NPT Male, ................................................................. 1249-2
  Nipple Length – 1 1/2”

- DISS Female x 1/4” NPT Male, ................................................................. 1249-3
  Nipple Length – 3/4”

sales@baycorp.com
Hex Nut and Nipple with 1/8" NPT Male

9/16"-18 Thread
Oxygen, DISS 1240, with 1" nipple (without O-ring) ..............2402
Oxygen, DISS 1240, with 1 1/2" nipple (without O-ring) ....1242-6
Oxygen, DISS 1240, with 1" nipple...............................2402-10
Oxygen, DISS 1240, with 1 1/2" nipple .........................1242-60

3/4"-16 Thread
Carbon Dioxide, DISS 1080-A..........................................0802
He-O₂ mixture (I), DISS 1060-A..............................0602
Medical Air, DISS 1160-A...........................................1602
Nitrogen, DISS 1120-A.............................................1202
Nitrous Oxide, DISS 1040-A........................................0402
O₂-He mixture (II), DISS 1180-A..............................1802
Vacuum (Suction), DISS 1220..................................2202

7/8"-14 Thread
Instrument Air (III), DISS 2080.................................2002
WAGD (EVAC), DISS 2220..........................0202

Hex Nut and Nipple with 1/4" NPT Male

9/16"-18 Thread
Oxygen, DISS 1240 (without O-ring) ........................1242-7

3/4"-16 Thread
Carbon Dioxide, DISS 1080-A..........................................0804
Medical Air, DISS 1160-A...........................................1604
Nitrogen, DISS 1120-A.............................................1204
Nitrous Oxide, DISS 1040-A........................................0404
Vacuum (Suction), DISS 1220..................................2204

7/8"-14 Thread
Instrument Air (III), DISS 2080.................................2004
WAGD (EVAC), DISS 2220..........................0204

Hex Nut and Nipple with 1/4" I.D. Hose Barb

9/16"-18 Thread
Oxygen, DISS 1240 (without O-ring) ........................1242-3
Oxygen, DISS 1240.............................................1242-30

3/4"-16 Thread
Carbon Dioxide, DISS 1080-A..........................................0817
He-O₂ mixture (I), DISS 1060-A..............................0617
Medical Air, DISS 1160-A...........................................1617
Nitrogen, DISS 1120-A.............................................1217
Nitrous Oxide, DISS 1040-A........................................0417
O₂-He mixture (II), DISS 1080-A..............................1817
Vacuum (Suction), DISS 1220..................................2217

7/8"-14 Thread
Instrument Air (III), DISS 2080.................................2017
WAGD (EVAC), DISS 2220..........................0217

Hex Nut and Nipple with 5/16" I.D. Hose Barb

3/4"-16 Thread
Vacuum (Suction), DISS 1220.............................2231

7/8"-14 Thread
WAGD (EVAC), DISS 2220..........................0231

Note:  (I) - Heliox mixtures: Helium over 80%.
(II) - Heliox mixtures: Helium not over 80%.
(III) - Intended for the powering of medical devices unrelated to human respiration.
### Hand-Tight Nut and Nipple with 1/8" NPT Male

**9/16"-18 Thread**
- Oxygen, DISS 1240, with 1" nipple .................. 2402HT
- Oxygen, DISS 1240, with 1 1/2" nipple ............... 1242-6HT

**3/4"-16 Thread**
- Carbon Dioxide, DISS 1080-A .......................... 0802HT
- Medical Air, DISS 1160-A .............................. 1602HT
- Nitrogen, DISS 1120-A ................................. 1202HT
- Nitrous Oxide, DISS 1040-A ........................... 0402HT
- Vacuum (Suction), DISS 1220 .......................... 2202HT

**7/8"-14 Thread**
- WAGD (EVAC), DISS 2220 .............................. 0202HT

**ISO Color-coded**
- Medical Air, DISS 1160-A .............................. Black & White............. 1602HTC
- Vacuum (Suction), DISS 1220 .................. Yellow.......................... 2202HTC
- Oxygen, DISS 1240, with 1" nipple............ White................... 2402HTC
- Oxygen, DISS 1240, with 1 1/2" nipple...... White................1242-6HTC

### Hand-Tight Nut and Nipple with 1/4" NPT Male

**3/4"-16 Thread**
- Carbon Dioxide, DISS 1080-A .......................... 0804HT
- Medical Air, DISS 1160-A .............................. 1604HT
- Nitrogen, DISS 1120-A ................................. 1217HT
- Nitrous Oxide, DISS 1040-A ........................... 0417HT
- Vacuum (Suction), DISS 1220 .......................... 2217HT

**7/8"-14 Thread**
- WAGD (EVAC), DISS 2220 .............................. 0217HT

**ISO Color-coded**
- Medical Air, DISS 1160-A .............................. Black & White............. 1617HTC
- Vacuum (Suction), DISS 1220 .................. Yellow.......................... 2217HTC
- Oxygen, DISS 1240........................... White........................2417HTC

### Hand-Tight Nut and Nipple with 1/4" I.D. Hose Barb

**9/16"-18 Thread**
- Oxygen, DISS 1240 ................................. 2417HT

**3/4"-16 Thread**
- Carbon Dioxide, DISS 1080-A .......................... 0817HT
- Medical Air, DISS 1160-A .............................. 1617HT
- Nitrogen, DISS 1120-A ................................. 1217HT
- Nitrous Oxide, DISS 1040-A ........................... 0417HT
- Vacuum (Suction), DISS 1220 .......................... 2217HT

**7/8"-14 Thread**
- WAGD (EVAC), DISS 2220 .............................. 0217HT

**ISO Color-coded**
- Medical Air, DISS 1160-A .............................. Black & White............. 1617HTC
- Vacuum (Suction), DISS 1220 .................. Yellow.......................... 2217HTC
- Oxygen, DISS 1240........................... White........................2417HTC

### Hand-Tight Nut and Nipple with 5/16" I.D. Hose Barb

**3/4"-16 Thread**
- Vacuum (Suction), DISS 1220 .......................... 2231HT

**7/8"-14 Thread**
- WAGD (EVAC), DISS 2220 .............................. 0231HT

**ISO Color-coded**
- Vacuum (Suction), DISS 1220 .................. Yellow.......................... 2231HTC
DV Body Adaptor, 1/8” NPT Male

3/4"-16 version pictured

9/16"-18 Thread
- Oxygen, DISS 1240 ............................................1241-2DV

3/4"-16 Thread
- He-O₂ mixture (I), DISS 1060-A ..........................1061-2DV
- Medical Air, DISS 1160-A ................................1161-2DV
- Nitrogen, DISS 1120-A ....................................1121-2DV
- Nitrous Oxide, DISS 1040-A .............................1041-2DV
- O₂-He mixture (II), DISS 1180-A .....................1181-2DV

DV Body Adaptor, 1/4” NPT Male

Oxygen version pictured

9/16"-18 Thread
- Oxygen, DISS 1240 .............................................1241-4DV

3/4"-16 Thread
- Carbon Dioxide, DISS 1080-A ..........................1081-4DV
- He-O₂ mixture (I), DISS 1060-A ..........................1061-4DV
- Medical Air, DISS 1160-A ................................1161-4DV
- Nitrous Oxide, DISS 1040-A .............................1041-4DV
- Nitrogen, DISS 1120-A ....................................1121-4DV
- O₂-He mixture (II), DISS 1180-A .....................1181-4DV
- Vacuum (Suction), DISS 1220 .........................1221-4DV

7/8"-14 Thread
- WAGD (EVAC), DISS 2220 .............................2221-4DV

DV Body Adaptor, Barbed for 1/4” I.D. Hose with Hand Grip Collar

3/4"-16 version pictured

9/16"-18 Thread
- Oxygen, DISS 1240 .............................................1241-17DV

3/4"-16 Thread
- Carbon Dioxide, DISS 1080-A ..........................1081-17DV
- Medical Air, DISS 1160-A ................................1161-17DV
- Nitrous Oxide, DISS 1040-A .............................1041-17DV
- Nitrogen, DISS 1120-A ....................................1121-17DV
- Vacuum (Suction), DISS 1220 .........................1221-17DV

7/8"-14 Thread
- WAGD (EVAC), DISS 2220 .............................2221-17DV

DV Body Adaptor, Barbed for 5/16” I.D. Hose with Hand Grip Collar

3/4"-16 Thread
- Vacuum (Suction), DISS 1220 .........................1221-31DV

7/8"-14 Thread
- WAGD (EVAC), DISS 2220 .............................2221-31DV

Note: (I) - Heliox mixtures: Helium over 80%.
(II) - Heliox mixtures: Helium not over 80%.
See page 15 for extension adaptors.
Typical Operation

No Flow

Direction of Flow
Gas Pressure Activated

Body Adaptor, 1/8" NPT Male with One-Way Check

3/4"-16 Thread
Oxygen, DISS 1240.............................................1241-2CV

3/4"-16 Thread
Medical Air, DISS 1160-A........................................1161-2CV
Nitrous Oxide, DISS 1040-A.....................................1041-2CV

Body Adaptor, 1/4" NPT Male with One-Way Check

9/16"-18 Thread
Oxygen, DISS 1240.............................................1241-4CV

3/4"-16 Thread
Medical Air, DISS 1160-A........................................1161-4CV
Nitrous Oxide, DISS 1040-A.....................................1041-4CV
Nitrogen, DISS 1120-A............................................1121-4CV

NPT Adaptors, with One-Way Check

Flows from 1/4" NPT Female.................................AB-44CV to 1/4" NPT Male
Flows from 1/4" NPT Male.................................AB-44CVR to 1/4" NPT Female

NPT Hex Nipple, with One-Way Check

1/4" NPT Male x 1/4" NPT Male.................................HN-4CV

Extension Adaptors (I)

1/8" NPT Female x 1/8" NPT Male...............................AB-22
1/4" NPT Female x 1/4" NPT Male...............................AB-44

Note: (I) - An extension adaptor is necessary when full-free extension of poppet is not obtained.
Power Take-Off Assemblies
200 psi max

Compact Power Take-Off Assemblies

Inlet: 1/8" NPT Female
Outlets: one vertical DISS Demand Check Unit,
one horizontal 1/8" NPT Male

Oxygen, DISS 1240.................................P-24
Medical Air, DISS 1160-A......................P-16

Extended Power Take-Off Assemblies

Inlet: 1/8" NPT Female
Outlets: one vertical DISS Demand Check Unit,
one horizontal 1/8" NPT Male

Oxygen, DISS 1240 ......................PTO-124
Medical Air, DISS 1160-A ..........PTO-116

Power Adaptor Block Less Fittings

Extended Version, 3" long ....................PTO-1
• Inlet: 1/8" NPT Female
• Horizontal Outlet: 1/8" NPT Male
• Vertical Outlet: 1/8" NPT Female

Compact Version, 1.22" long ..................ST-2
• Inlet: 1/8" NPT Female
• Horizontal Outlet: 1/8" NPT Male
• Vertical Outlet: 1/8" NPT Female

Note: Special configurations are available upon request.
Y-Blocks

1/8” NPT Female All Ports.................................YO-222
1/8” NPT Female Inlet x.................................YO-244
1/4” NPT Female Outlets
1/4” NPT Female All Ports.................................YO-444

DISS Hex Nut Female Inlet, DISS Male Outlets

9/16”-18 Thread
Oxygen, DISS 1240 .................................YO-124X

3/4”-16 Thread
Medical Air, DISS 1160-A .................................YO-116X
Nitrogen, DISS 1120-A .................................YO-112X
Nitrous Oxide, DISS 1040-A .................................YO-104X
Vacuum (Suction), DISS 1220 .........................YO-122X

DISS Hand-Tight Nut Female Inlet, DISS Male Outlets

9/16”-18 Thread
Oxygen, DISS 1240 .................................YO-124

3/4”-16 Thread
Medical Air, DISS 1160-A .................................YO-116
Nitrogen, DISS 1120-A .................................YO-112
Nitrous Oxide, DISS 1040-A .................................YO-104
Vacuum (Suction), DISS 1220 .........................YO-122

DISS Hand-Tight Nut Female Inlet, DISS Demand Check Outlets

9/16”-18 Thread
Oxygen, DISS 1240 .................................YO-124DV

3/4”-16 Thread
Medical Air, DISS 1160-A .................................YO-116DV
Nitrogen, DISS 1120-A .................................YO-112DV
Nitrous Oxide, DISS 1040-A .................................YO-104DV
Vacuum (Suction), DISS 1220 .........................YO-122DV

Extension Adaptor Blocks

1/8” NPT Female Rear Inlet, Two 1/8” NPT Female Outlets;
Brushed Aluminum Finish
Centered Rear Inlet .................................AA-11014
Offset Rear Inlet .................................AA-11015
Chemtron® Style Dual Outlet Connection

100 psi max • Short projection designs which reduce stress on wall outlet connections.

Male Quick-Connect Inlet, Female Coupler Outlets

- Medical Air: YO-CM16
- Nitrous Oxide: YO-CM04
- Oxygen: YO-CM24
- Vacuum (Suction): YO-CM22

Male Quick-Connect Inlet-Centered, Female Coupler Outlets

- Medical Air: YO-CMT16
- Nitrous Oxide: YO-CMT04
- Oxygen: YO-CMT24
- Vacuum (Suction): YO-CMT22

Male Quick-Connect Inlet-Right, Female Coupler Outlets

- Medical Air: YO-CMR16
- Nitrous Oxide: YO-CMR04
- Oxygen: YO-CMR24
- Vacuum (Suction): YO-CMR22

Male Quick-Connect Inlet-Left, Female Coupler Outlets

- Medical Air: YO-CML16
- Nitrous Oxide: YO-CML04
- Oxygen: YO-CML24
- Vacuum (Suction): YO-CML22

Note: Special configurations are available upon request. See pages 20-21 for further information regarding Bay Corporation’s Chemtron® style quick-connects.
### Ohmeda® Style Dual Outlet Connection

100 psi max • Short projection designs which reduce stress on wall outlet connections.

#### Male Quick-Connect Inlet, Female Coupler Outlets

<table>
<thead>
<tr>
<th>Gas</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medical Air</td>
<td>YO-OH16</td>
</tr>
<tr>
<td>Nitrous Oxide</td>
<td>YO-OH04</td>
</tr>
<tr>
<td>Oxygen</td>
<td>YO-OH24</td>
</tr>
<tr>
<td>Vacuum (Suction)</td>
<td>YO-OH22</td>
</tr>
</tbody>
</table>

#### Male Quick-Connect Inlet-Centered, Female Coupler Outlets

<table>
<thead>
<tr>
<th>Gas</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medical Air</td>
<td>YO-OHT16</td>
</tr>
<tr>
<td>Nitrous Oxide</td>
<td>YO-OHT04</td>
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<tr>
<td>Oxygen</td>
<td>YO-OHT24</td>
</tr>
<tr>
<td>Vacuum (Suction)</td>
<td>YO-OHT22</td>
</tr>
</tbody>
</table>

#### Male Quick-Connect Inlet-Right, Female Coupler Outlets

<table>
<thead>
<tr>
<th>Gas</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medical Air</td>
<td>YO-OHR16</td>
</tr>
<tr>
<td>Nitrous Oxide</td>
<td>YO-OHR04</td>
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<tr>
<td>Oxygen</td>
<td>YO-OHR24</td>
</tr>
<tr>
<td>Vacuum (Suction)</td>
<td>YO-OHR22</td>
</tr>
</tbody>
</table>

#### Male Quick-Connect Inlet-Left, Female Coupler Outlets

<table>
<thead>
<tr>
<th>Gas</th>
<th>Code</th>
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<tbody>
<tr>
<td>Medical Air</td>
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<td>Nitrous Oxide</td>
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<tr>
<td>Oxygen</td>
<td>YO-OHL24</td>
</tr>
<tr>
<td>Vacuum (Suction)</td>
<td>YO-OHL22</td>
</tr>
</tbody>
</table>

Notes: Special configurations are available upon request. See pages 22-23 for further information regarding Bay Corporation’s Ohmeda® style quick-connects.
## Chemetron® Style Male Quick Connects

1. **1/8" NPT Male**
   - Medical Air: CM-116-2
   - Nitrous Oxide: CM-104-2
   - Oxygen: CM-124-2
   - Vacuum (Suction): CM-122-2
   - WAGD (EVAC): CM-EVA-2

2. **1/8" NPT Female**
   - Medical Air: CM-116-2F
   - Nitrous Oxide: CM-104-2F
   - Oxygen: CM-124-2F
   - Vacuum (Suction): CM-122-2F
   - WAGD (EVAC): CM-EVA-2F

3. **1/4" NPT Male**
   - Medical Air: CM-116-4
   - Nitrous Oxide: CM-104-4
   - Oxygen: CM-124-4
   - Vacuum (Suction): CM-122-4
   - WAGD (EVAC): CM-EVA-4

4. **DISS Male**
   - Medical Air: CM-116-9
   - Nitrous Oxide: CM-104-9
   - Oxygen: CM-124-9
   - Vacuum (Suction): CM-122-9
   - WAGD (EVAC): CM-EVA-9

5. **DISS Female Hex Nut & Nipple**
   - Medical Air: CM-116-16
   - Nitrous Oxide: CM-104-04
   - Oxygen: CM-124-24
   - Vacuum (Suction): CM-122-22
   - WAGD (EVAC): CM-EVA-22

6. **Hose Barb**
   - 1/4" I.D. Hose Barb: CM-116-17
     - Medical Air: CM-116-17
     - Nitrous Oxide: CM-104-17
     - Oxygen: CM-124-17
     - Vacuum (Suction): CM-122-17
     - WAGD (EVAC): CM-EVA-17
   - 5/16" I.D. Hose Barb: CM-122-31
     - Vacuum (Suction): CM-122-31
     - WAGD (EVAC): CM-EVA-31

7. **DISS Demand Check Unit**
   - Medical Air: CM-116-9DV
     - Nitrous Oxide: CM-104-9DV
     - Oxygen: CM-124-9DV
     - Vacuum (Suction): CM-122-9DV

8. **DISS Female Hand-Tight Nut & Nipple**
   - Medical Air: CM-116-HT
     - Nitrous Oxide: CM-104-HT
     - Oxygen: CM-124-HT
     - Vacuum (Suction): CM-122-HT
     - WAGD (EVAC): CM-EVA-HT

---

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<table>
<thead>
<tr>
<th>Style</th>
<th>Male Female</th>
<th>Medical Air</th>
<th>Nitrous Oxide</th>
<th>Oxygen</th>
<th>Vacuum (Suction)</th>
<th>WAGD (EVAC)</th>
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</thead>
<tbody>
<tr>
<td>1/8&quot; NPT Male</td>
<td></td>
<td>CMF-16-2</td>
<td>CMF-04-2</td>
<td>CMF-24-2</td>
<td>CMF-22-2</td>
<td>CMF-EV-2</td>
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<tr>
<td>1/8&quot; NPT Female</td>
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<td>CMF-16-2F</td>
<td>CMF-04-2F</td>
<td>CMF-24-2F</td>
<td>CMF-22-2F</td>
<td>CMF-EV-2F</td>
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<tr>
<td>1/4&quot; NPT Male</td>
<td></td>
<td>CMF-16-4</td>
<td>CMF-04-4</td>
<td>CMF-24-4</td>
<td>CMF-22-4</td>
<td>CMF-EV-4</td>
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<tr>
<td>DISS Male</td>
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<td>CMF-16-9</td>
<td>CMF-04-9</td>
<td>CMF-24-9</td>
<td>CMF-22-9</td>
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<tr>
<td>DISS Female Hex Nut &amp; Nipple</td>
<td></td>
<td>CMF-16-16</td>
<td>CMF-04-04</td>
<td>CMF-24-24</td>
<td>CMF-22-22</td>
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<tr>
<td>Hose Barb</td>
<td>1/4&quot; I.D. Barb</td>
<td>CMF-16-17</td>
<td>CMF-04-17</td>
<td>CMF-24-17</td>
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<td>CMF-EV-17</td>
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<td>DISS Female Hand-Tight Nut &amp; Nipple</td>
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### 1/8" NPT Male

<table>
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<tbody>
<tr>
<td>Carbon Dioxide</td>
<td>OH-108-2</td>
<td>OH-116-2C</td>
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<tr>
<td>Medical Air</td>
<td>OH-116-2</td>
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<tr>
<td>Nitrous Oxide</td>
<td>OH-104-2</td>
<td>OH-104-2F</td>
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<tr>
<td>Oxygen</td>
<td>OH-124-2</td>
<td>OH-124-2C</td>
</tr>
<tr>
<td>Vacuum (Suction)</td>
<td>OH-122-2</td>
<td>OH-122-2C</td>
</tr>
<tr>
<td>WAGD (EVAC)</td>
<td>OH-EVA-2</td>
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### 1/8" NPT Female

<table>
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<tbody>
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<td>OH-116-2FC</td>
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<tr>
<td>Medical Air</td>
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<tr>
<td>Oxygen</td>
<td>OH-124-2F</td>
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<tr>
<td>Vacuum (Suction)</td>
<td>OH-122-2F</td>
<td>OH-122-2FC</td>
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<tr>
<td>WAGD (EVAC)</td>
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### 1/4" NPT Male

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<td>Nitrous Oxide</td>
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<tr>
<td>Vacuum (Suction)</td>
<td>OH-122-4</td>
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<tr>
<td>WAGD (EVAC)</td>
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### DISS Male

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<tbody>
<tr>
<td>Medical Air</td>
<td>OH-116-9</td>
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<tr>
<td>Nitrous Oxide</td>
<td>OH-104-9</td>
<td>OH-104-9</td>
</tr>
<tr>
<td>Oxygen</td>
<td>OH-124-9</td>
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<tr>
<td>WAGD (EVAC)</td>
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### DISS Female Hex Nut & Nipple

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<td>WAGD (EVAC)</td>
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### Hose Barb

<table>
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<tbody>
<tr>
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<td>OH-116-17C</td>
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<td>Medical Air</td>
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<tr>
<td>Nitrous Oxide</td>
<td>OH-104-17</td>
<td>OH-104-17C</td>
</tr>
<tr>
<td>Oxygen</td>
<td>OH-124-17</td>
<td>OH-124-17C</td>
</tr>
<tr>
<td>Vacuum (Suction)</td>
<td>OH-122-17</td>
<td>OH-122-17C</td>
</tr>
<tr>
<td>WAGD (EVAC)</td>
<td>OH-EVA-17</td>
<td>OH-EVA-17</td>
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</table>

### 5/16" I.D. Hose Barb

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Vacuum (Suction)</td>
<td>OH-122-31</td>
<td>OH-122-31C</td>
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<td>WAGD (EVAC)</td>
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### DISS Demand Check Unit

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<td>Oxygen</td>
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### DISS Female Hand-Tight Nut & Nipple

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### Ohmeda® Style Female Couplers

**100 psi max**

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<td>Carbon Dioxide</td>
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<td>OHF-16-2</td>
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<td>Nitrous Oxide</td>
<td>OHF-04-2</td>
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<td>OHF-24-2</td>
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<td>Vacuum (Suction)</td>
<td>OHF-22-2</td>
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<td>OHF-04-2F</td>
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<td>OHF-24-2F</td>
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<td>OHF-24-24</td>
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<td>Vacuum (Suction)</td>
<td>OHF-22-22</td>
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<td>Carbon Dioxide</td>
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<td><strong>1/4&quot; I.D. Barb</strong></td>
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<td>Vacuum (Suction)</td>
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<td>WAGD (EVAC)</td>
<td>OHF-EV-31</td>
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<tr>
<td><strong>DISS Female Hand-Tight Nut &amp; Nipple</strong></td>
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<td>Medical Air</td>
<td>OHF-16-HT</td>
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<tr>
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<td>Nitrous Oxide</td>
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<tr>
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<td>Vacuum (Suction)</td>
<td>OHF-22-HT</td>
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### Schrader® Non-Swivel Style Male Quick-Connects

200 psi max

<table>
<thead>
<tr>
<th>Connection Style</th>
<th>Medical Air</th>
<th>Nitrogen</th>
<th>Nitrous Oxide</th>
<th>Oxygen</th>
<th>Vacuum (Suction)</th>
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</thead>
<tbody>
<tr>
<td><strong>DISS Male</strong></td>
<td>SCH-116-9</td>
<td>SCH-112-9</td>
<td>SCH-104-9</td>
<td>SCH-124-9</td>
<td>SCH-122-9</td>
</tr>
<tr>
<td><strong>DISS Female Hex Nut &amp; Nipple</strong></td>
<td>SCH-116-16</td>
<td>SCH-112-12</td>
<td>SCH-104-04</td>
<td>SCH-124-24</td>
<td>SCH-122-22</td>
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<tr>
<td><strong>Hose Barb</strong></td>
<td>SCH-116-17</td>
<td>SCH-112-17</td>
<td>SCH-104-17</td>
<td>SCH-124-17</td>
<td>SCH-122-17</td>
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<tr>
<td><strong>1/4&quot; I.D. Hose Barb</strong></td>
<td></td>
<td></td>
<td></td>
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<td>SCH-122-17</td>
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<tr>
<td><strong>5/16&quot; I.D. Hose Barb</strong></td>
<td></td>
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<td></td>
<td>SCH-122-31</td>
</tr>
<tr>
<td><strong>DISS Demand Check Unit</strong></td>
<td>SCH-116-9DV</td>
<td>SCH-112-9DV</td>
<td>SCH-104-9DV</td>
<td>SCH-124-9DV</td>
<td>SCH-122-9DV</td>
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</tbody>
</table>
Schrader® Swivel Style Male Quick-Connects

1/8” NPT Male

Medical Air ......................................................... SH-16-2S
Nitrogen ......................................................... SH-12-2S
Nitrous Oxide ................................................ SH-04-2S
Oxygen ......................................................... SH-24-2S
Vacuum (Suction) ........................................ SH-22-2S

1/8” NPT Female

Medical Air ......................................................... SH-16-2FS
Nitrogen ......................................................... SH-12-2FS
Nitrous Oxide ................................................ SH-04-2FS
Oxygen ......................................................... SH-24-2FS
Vacuum (Suction) ........................................ SH-22-2FS

DISS Male

Medical Air ......................................................... SH-16-9S
Nitrogen ......................................................... SH-12-9S
Nitrous Oxide ................................................ SH-04-9S
Oxygen ......................................................... SH-24-9S
Vacuum (Suction) ........................................ SH-22-9S

DISS Female Hex Nut & Nipple

Medical Air ......................................................... SH-16-16S
Nitrogen ......................................................... SH-12-16S
Nitrous Oxide ................................................ SH-04-16S
Oxygen ......................................................... SH-24-16S
Vacuum (Suction) ........................................ SH-22-16S

Hose Barb

1/4” I.D. Hose Barb

Medical Air ......................................................... SH-16-17S
Nitrogen ......................................................... SH-12-17S
Nitrous Oxide ................................................ SH-04-17S
Oxygen ......................................................... SH-24-17S
Vacuum (Suction) ........................................ SH-22-17S

5/16” I.D. Hose Barb

Vacuum (Suction) ........................................ SH-22-31S

DISS Demand Check Unit

Medical Air ......................................................... SH-16-9DVS
Nitrogen ......................................................... SH-12-9DVS
Nitrous Oxide ................................................ SH-04-9DVS
Oxygen ......................................................... SH-24-9DVS
Vacuum (Suction) ........................................ SH-22-9DVS

DISS Female Hand-Tight Nut & Nipple

Medical Air ......................................................... SH-16-HTS
Nitrogen ......................................................... SH-12-HTS
Nitrous Oxide ................................................ SH-04-HTS
Oxygen ......................................................... SH-24-HTS
Vacuum (Suction) ........................................ SH-22-HTS
Schrader® Style Female Couplers
200 psi max

<table>
<thead>
<tr>
<th>1/4&quot; NPT Male</th>
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<tbody>
<tr>
<td>Medical Air</td>
<td>SCF-16-4</td>
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<tr>
<td>Nitrous Oxide</td>
<td>SCF-04-4</td>
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<td>Oxygen</td>
<td>SCF-24-4</td>
</tr>
<tr>
<td>Vacuum (Suction)</td>
<td>SCF-22-4</td>
</tr>
</tbody>
</table>

Black Cap
Nitrogen: SCF-12-4

<table>
<thead>
<tr>
<th>Hose Barb</th>
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</thead>
<tbody>
<tr>
<td>Medical Air</td>
<td>SCF-16-17</td>
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<tr>
<td>Nitrous Oxide</td>
<td>SCF-04-17</td>
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<tr>
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<td>SCF-24-17</td>
</tr>
<tr>
<td>Vacuum (Suction)</td>
<td>SCF-22-17</td>
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Black Cap
Nitrogen: SCF-12-17

5/16" I.D. Hose Barb
Vacuum (Suction): SCF-22-31

Schrader® Style Dual Outlet Connections
200 psi max

<table>
<thead>
<tr>
<th>Non-Swivel Male Quick-Connect Inlet, Female Coupler Outlets</th>
<th></th>
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<tbody>
<tr>
<td>Medical Air</td>
<td>YO-SC16</td>
</tr>
<tr>
<td>Nitrous Oxide</td>
<td>YO-SC04</td>
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<tr>
<td>Oxygen</td>
<td>YO-SC24</td>
</tr>
<tr>
<td>Vacuum (Suction)</td>
<td>YO-SC22</td>
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</table>

Black Caps
Nitrogen: YO-SC12

Note: Special configurations are available upon request. See pages 24–25 for further information regarding Bay Corporation’s Schrader® style quick-connects.
Puritan® Style Female Couplers
100 psi max

1/4” NPT Male

- Medical Air: POF-16-4
- Nitrous Oxide: POF-04-4
- Oxygen: POF-24-4
- Vacuum (Suction): POF-22-4
- WAGD (EVAC): POF-EV-4

Hose Barb

- Medical Air: POF-16-17
- Nitrous Oxide: POF-04-17
- Oxygen: POF-24-17
- Vacuum (Suction): POF-22-17
- WAGD (EVAC): POF-EV-17

5/16” I.D. Hose Barb

- Vacuum (Suction): POF-22-31
- WAGD (EVAC): POF-EV-31

Puritan® Style Dual Outlet Connections
100 psi max

Male Quick-Connect Inlet, Female Coupler Outlets

- Medical Air: YO-PQ16
- Oxygen: YO-PQ24
- Vacuum (Suction): YO-PQ22
- WAGD (EVAC): YO-PQEV

Note: Special configurations are available upon request. See page 28 for further information regarding Bay Corporation’s Puritan® style quick-connects.
### Puritan® Style Male Quick-Connects

100 psi max

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<tr>
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<td>Nitrous Oxide.</td>
<td>PQ-104-2</td>
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<tr>
<td>Oxygen.........</td>
<td>PQ-124-2</td>
</tr>
<tr>
<td>Vacuum (Suction)</td>
<td>PQ-122-2</td>
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<tr>
<td>WAGD (EVAC)...</td>
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<table>
<thead>
<tr>
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<tr>
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<td>WAGD (EVAC)....</td>
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<table>
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<td>Nitrous Oxide..</td>
<td>PQ-104-04</td>
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<td>Oxygen..........</td>
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<th>DISS Female Hand-Tight Nut &amp; Nipple</th>
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<td>PQ-122-HT</td>
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<tr>
<td>WAGD (EVAC)...</td>
<td>PQ-EVA-HT</td>
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Oxygen Neb Drives
50 psi max

**Chemetrón® Style**

6-7 lpm .........................................................CM-124-N65
7-8 lpm .........................................................CM-124-N75

**Ohmeda® Style**

6-7 lpm .........................................................OH-124-N65
7-8 lpm .........................................................OH-124-N75

**Puritan® Style**

6-7 lpm .........................................................PQ-124-N65
7-8 lpm .........................................................PQ-124-N75
**Conductive Hose** *(Packaged 250 ft. per reel)*

- Inner core: Medical grade conductive PVC (meets conductivity requirement of NFPA 99)
- Braid reinforced polyester
- Outer cover: Solid-colored PVC - see chart
- Working pressure: 200 psi max. @ 70° F
- Minimum bend radius: 3 inches
- Working Temperature: 25° F to 150° F

<table>
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<th>U.S. Gas Service</th>
<th>Color</th>
<th>Item No.</th>
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<td>Grey</td>
<td>2108-250</td>
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<tr>
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<td>Yellow</td>
<td>2116-250</td>
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<tr>
<td>Nitrogen</td>
<td>Black</td>
<td>2112-250</td>
<td></td>
</tr>
<tr>
<td>Nitrous Oxide</td>
<td>Blue</td>
<td>2104-250</td>
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<tr>
<td>Oxygen</td>
<td>Green</td>
<td>2124-250</td>
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</tr>
<tr>
<td>Vacuum (Suction)</td>
<td>White</td>
<td>2122-250</td>
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<tr>
<td>WAGD (EVAC)</td>
<td>Purple</td>
<td>2140-250</td>
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<tr>
<th>5/16&quot; I.D.</th>
<th>U.S. Gas Service</th>
<th>Color</th>
<th>Item No.</th>
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<tr>
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<tr>
<td>Vacuum (Suction)</td>
<td>White</td>
<td>3122-250</td>
<td></td>
</tr>
</tbody>
</table>
Non-Conductive Hose

Rubber Hose for Oxygen Service (Packaged 250 ft. per reel)
- Inner core: Medical grade PVC
- Braid reinforced polyester
- Outer cover: Solid-colored PVC - see chart
- Working pressure: 200 psi max. @ 70° F
- Minimum bend radius: 3 inches
- Working Temperature: -40°F to +200°F

1/4" I.D. ..................U.S. Gas Service ............Color .....................................Item No.
Outside Diameter: .460"
- General Purpose .................Clear w/White Braid ..........BC-2225
- Medical Air .......................Yellow ......................1416
- Nitrogen ..........................Black ......................1458
- Nitrous Oxide .....................Blue ......................1404
- Oxygen ............................Green ......................1424
- Vacuum (Suction) ...............White ......................1422
- WAGD (EVAC) ....................Purple ......................1440

5/16" I.D. ...............U.S. Gas Service ............Color .....................................Item No.
Outside Diameter: .560"
- General Purpose .................Clear w/White Braid ..........BC-2231

Non-Conductive Hose (Packaged 650 ft. per reel)
- Inner core: Medical grade PVC
- Braid reinforced polyester
- Outer cover: Solid-colored PVC - see chart
- Working pressure: 200 psi max. @ 70° F
- Minimum bend radius: 3 inches
- Working Temperature: -40°F to +200°F

3/16" I.D. ..................U.S. Gas Service ............Color .....................................Item No.
Outside Diameter: .415"
- Oxygen ............................Green ......................3124
Hose Assembly Matrix

Create your own custom hose assembly part number.
Follow this process below to generate your unique part number.

Fill in __ __ __ __ __ __ __ __ __ __ __

Then call Bay Corporation for verification as well as pricing and availability. Save time and money! *(Suggestion: photocopy this worksheet for your future orders.)*

### Hose Type

<table>
<thead>
<tr>
<th>Type: Conductive PVC</th>
<th>1/4&quot; 5/16&quot;</th>
<th>Non-Conductive PVC</th>
<th>1/4&quot; 5/16&quot;</th>
<th>Rubber Hose</th>
<th>3/16&quot;</th>
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<td>General Purpose</td>
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<td>VAC/Suction (white)</td>
<td>41 81</td>
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<td>(clear w/white braid)</td>
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<td>WAGD (EVAC)</td>
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</table>

### Hose Length

Fill in __ __ __ __ __ __ __ __ __ __ __

- Determine desired length of hose assembly (cut length of hose)
- Convert to inches (i.e. 2 feet = 024 inches)

### End Connections

Fill in __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ 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International Fittings
Contact Bay Corporation for other gas services and fittings

BS Probe

- Oxygen with 1/8" NPT male .................................. BS-2402
- Oxygen with 1/4" ID hose barb ............................ BS-2417
- Air with 1/8" NPT male ..................................... BS-1602
- Air with 1/4" ID hose barb ................................. BS-1617

NIST Female

- Oxygen with 1/8" NPT male .................................. NIST-2402
- Oxygen with 1/4" ID hose barb ............................ NIST-2417
- Air with 1/8" NPT male ..................................... NIST-1602
- Air with 1/4" ID hose barb ................................. NIST-1617

DIN (German) Probe

- Oxygen with 1/8" NPT male .................................. DIN-2402
- Oxygen with 1/4" ID hose barb ............................ DIN-2417
- Air with 1/8" NPT male ..................................... DIN-1602
- Air with 1/4" ID hose barb ................................. DIN-1617

AFNOR (French) Female, 90 degree

- Oxygen with 1/4" ID hose barb ............................ AF-2417-90
- Air with 1/4" ID hose barb ................................. AF-1617-90

Australian Female

- Oxygen with 1/8" NPT male .................................. AS-2402
- Oxygen with 1/4" ID hose barb ............................ AS-2417
- Air with 1/8" NPT male ..................................... AS-1602
- Air with 1/4" ID hose barb ................................. AS-1617

International Hose Assemblies

Contact Bay Corporation for details regarding hose assemblies made with International Fittings. Bay Corporation is approved to produce CE Marked “Low Pressure PVC Medical Gas Hose Assemblies” per Directive 93/42/EEC.
Components for Hose Assemblies

Ferrules

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<td>.380&quot;</td>
<td>1/2&quot;</td>
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<td>.410&quot;</td>
<td>1/2&quot;</td>
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<td>.575&quot;</td>
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<td>(II) Y-KK</td>
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Bench Model Crimping Tool & Dies

Crimping Tool..........................................................CR-100

Standard dies shipped with CR-100

Bore Diameters
(1) .630
(2) .580
(3) .530 (II)
(4) .480
(5) .437 (I)

Heavy Duty Crimping Tool & Dies

Crimping Tool...............................................................5111A

Recommended Die Set ................................................DR-39
for Bay Corporation’s 1/4" I.D. hose

Recommended Die Set ................................................DR-36
for Bay Corporation’s 5/16" I.D. hose

Recommended Die Set ................................................DR-41
for Bay Corporation’s 3/16" I.D. hose

Note: (I) - Recommended for Bay Corporation’s 1/4" I.D. hose in conjunction with Bay Corporation’s products.
(II) - Recommended for Bay Corporation’s 5/16" I.D. hose in conjunction with Bay Corporation’s products.
(III) - Recommended for Bay Corporation’s 3/16" I.D. hose in conjunction with Bay Corporation’s products.
Components for Hose Assemblies

**Hose Retractor**

Hose Retractor..........................................................1400-HR

**Hose Cutting Device & Replacement Blade**

Hose Cutter..............................................................HC-1
Replacement Blade..................................................HC-1B

36
Medical Grade Vinyl Tubing

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<td>1/8&quot;</td>
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<td>1/16&quot;</td>
<td>59 @ 70° F</td>
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<td>28 @ 70° F</td>
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* Suitable for vacuum service, not to exceed 21" Hg. @ 70° F.

Specifications
- Material: 100% Virgin FDA Grade PVC, meets U.S. Pharmacopoeia Class VI Criteria for Hospital, Clinical, and Laboratory Apparatus.
- Non-Toxic, Non-Reactive, Odorless, and Tasteless.
- Tubing may be sterilized with steam (20 psi for 15 min.), Chemical Bacteriacides or Gas (Ethylene Oxide).
- Packaged in 100 ft. coils.

High Density Teflon Tape

<table>
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<tr>
<th>Size</th>
<th>Use with</th>
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<tr>
<td>1/4&quot; x 520&quot;</td>
<td>1/8&quot;, 1/4&quot; NPT TFE-40 &amp; 1/4&quot; NPT Threads</td>
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<tr>
<td>1/2&quot; x 520&quot;</td>
<td>1/2&quot;, 1/4&quot; NPT TFE-50 Threads &amp; Larger</td>
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</table>

Instructions for Use:
Begin with the second thread from the end of the part to be taped. Wrap tape in the direction of the spiral. Make two complete wraps, drawing the tape around the threads tightly so that it conforms to the threaded surface. Allow for a slight overlap after the second full wrap and cut/tear the tape. Press the end of the tape in firmly. Make up the connection in the usual fashion and tighten. Tape will fill up the void in the threads and provide a positive seal.

Leak Detection Fluid

- Oxygen Safe
- Dries Clean
- Economical
- Meets MIL-L-255

8 oz. LD-8
Water Trap Assemblies
150 psi max

Helps prevent moisture and water from entering downstream equipment while filtering out foreign material and debris. Designed for a service pressure of 150 psi maximum.

- Miniature Size
- 5 Micron Filter
- Manual Drain Valve
- High Flow Capacity

### Straight Configurations

**Medical Air**, DISS 1160-A.................................AFA-116
Male Inlet x Female Outlet
**Oxygen**, DISS 1240.................................................AFA-124
Male Inlet x Female Outlet

### 90° Configurations

**Medical Air**, DISS 1160-A.................................AFA-116-90
90° Male Inlet x Female Outlet

### Double 90° Configurations

**Medical Air**, DISS 1160-A.................................AFA-116-2-90
90° Male Inlet x 90° Female Outlet

### Water Trap Less Fittings

1/8” NPT Female Inlet x 1/8” NPT Female Outlet...........AFA-2

### Replacement Components for Listed Water Traps

- Filter Element, 5 Micron .............................................AFA-5R
- Reservoir w/Manual Drain ........................................AFA-10R

**NPT Male to NPT Male**

| 1/8" NPT Male Inlet, 1/8" NPT Male Outlet | 7102 |
| 1/4" NPT Male Inlet, 1/4" NPT Male Outlet | 7104 |

**NPT Female to NPT Female**

| 1/8" NPT Female Inlet, 1/8" NPT Female Outlet | 7202 |
| 1/4" NPT Female Inlet, 1/4" NPT Female Outlet | 7204 |

**NPT Male to NPT Female**

| 1/8" NPT Male Inlet, 1/8" NPT Female Outlet | 7302 |
| 1/4" NPT Male Inlet, 1/4" NPT Female Outlet | 7304 |
### Male NPT to Hose Barb

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<th>Hose Barb</th>
<th>Male NPT to Hose Barb</th>
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<tr>
<td>1/8&quot; NPT Male</td>
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<td>MPT-42</td>
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<td>3/16&quot; I.D. Hose Barb</td>
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<tr>
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<td>MPT-43</td>
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<tr>
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<td>1/4&quot; NPT Male</td>
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### 1/8" NPT Male to ‘Bubble’ Hose Barb (I)

- **Bubble Barbed for 1/4"-3/8"**
  - Nominal I.D. Hose: BLN-2-17
- **Bubble Barbed for 3/8"-1/2”**
  - Nominal I.D. Hose: BLN-3-17

### Female NPT to Hose Barb

<table>
<thead>
<tr>
<th>Hose Barb</th>
<th>Female NPT to Hose Barb</th>
</tr>
</thead>
<tbody>
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<td>1/8&quot; I.D. Hose Barb</td>
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<td>1/8&quot; NPT Female</td>
<td>FPT-22</td>
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<td>FPT-42</td>
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<td>3/16&quot; I.D. Hose Barb</td>
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<tr>
<td>1/8&quot; NPT Female</td>
<td>FPT-23</td>
</tr>
<tr>
<td>1/4&quot; NPT Female</td>
<td>FPT-43</td>
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<tr>
<td>1/4&quot; I.D. Hose Barb</td>
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<td>1/8&quot; NPT Female</td>
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<tr>
<td>1/4&quot; NPT Female</td>
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<tr>
<td>1/4&quot; NPT Female</td>
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</table>

### Hose Splicers

- Barbed for Joining 1/8" I.D. Hose: HS-22
- Barbed for Joining 3/16" I.D. Hose: HS-33
- Barbed for Joining 1/4" I.D. Hose: HS-44

**Note:** (I) - Not intended for static pressure build-up.
Pipe Thread to Barbed Hose Adaptors

250 psi max

90° Male NPT Barbed for 1/4" I.D. Hose

1/8" NPT .......................................................... HA-217
1/4" NPT .......................................................... HA-417

90° Female NPT to Hose Barb

1/8" NPT Female x 1/4" I.D. Barb ....................... FPT-24-90
1/8" NPT Female x 5/16" I.D. Barb .................... FPT-25-90

90° Swivel Adaptor to Hose Barb (patent pending)

1/8" NPT Female x 1/4" I.D. Hose Barb ............... FPT-24-90S
1/8" NPT Female x 5/16" I.D. Hose Barb ............. FPT-25-90S

- Tamper resistant design
- Permits 360° rotation
- Avoids hose kinking
- Improves safety
- Compact
- Balanced seal design
Pipe Thread Fittings
1000 psi max

**Female to Male Adaptors**
- 1/8” NPT Female x ........................ AB-22
- 1/8” NPT Male
- 1/8” NPT Female x ........................ AB-24
- 1/4” NPT Male
- 1/4” NPT Female x ........................ AB-42
- 1/8” NPT Male
- 1/4” NPT Female x ........................ AB-44
- 1/4” NPT Male

**Branch Tees**
- 1/8” NPT All Ports .......................... BT-2
- 1/4” NPT All Ports .......................... BT-4

**Street Tees**
- 1/8” NPT All Ports .......................... ST-2
- 1/4” NPT All Ports .......................... ST-4

**Crosses**
- 1/8” NPT All Ports .......................... CR-2
- 1/4” NPT All Ports .......................... CR-4

**3-Way Tees**
- 1/8” NPT All Ports .......................... T-2
- 1/4” NPT All Ports .......................... T-4

**90° Elbows**
- 1/8” NPT Female .......................... EL-2
- 1/4” NPT Female .......................... EL-4

**90° Street Elbows**
- 1/8” NPT Female x .................. EL-2M
- 1/8” NPT Male
- 1/4” NPT Female x .................. EL-4M
- 1/4” NPT Male

1.888.835.3800
### Female to Female Couplers
- 1/8" NPT Female ....................... FC-2
- 1/4" NPT Female ....................... FC-4
- 1/4" NPT Female x ..................... FC-42
- 1/8" NPT Female

### Extension Adaptors
- 1/8" NPT Female x ............... LAB-22-25
- 1/8" NPT Male: Length - 2 1/2"
- 1/4" NPT Female x ................. LAB-44-3
- 1/4" NPT Male: Length - 3"

### 1/4" NPT Long Nipples
- 1 1/2" in Length ...................... LN-4-15
- 2" in Length .......................... LN-4-20
- 2 1/2" in Length ..................... LN-4-25
- 3" in Length ......................... LN-4-30
- 3 1/2" in Length ..................... LN-4-35

### Countersunk Pipe Plugs
- 1/8" NPT Male ....................... PG-2C
- 1/4" NPT Male ....................... PG-4C

### Male to Male Hex Nipples
- 1/8" NPT Male ....................... HN-2
- 1/4" NPT Male ....................... HN-4
- 1/4" NPT Male x ..................... HN-42
- 1/8" NPT Male

### 1/8" NPT Long Nipples
- 1 1/2" in Length ...................... LN-2-15
- 2" in Length .......................... LN-2-20
- 2 1/2" in Length ..................... LN-2-25

### Hex Head Pipe Plugs
- 1/8" NPT Male ....................... PG-2
- 1/4" NPT Male ....................... PG-4

### Bulkhead Assembly (I)
- 1/8" NPT Female ..................... BH-2

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Note: (I) - Special configurations are available upon request.
See page 15 for One-Way Check Valves in Pipe Thread Fittings.
Flexible assemblies contain a Teflon inner core supported by a stainless steel wire braid external wrap. End connections are stainless steel, unless otherwise indicated. Temperature range: -40° to 150°F.

**Flexible Stainless Steel Pigtails, 1/4" NPT Female x 1/4" NPT Female (I)**

- 18" Long ................................................................. FP-4-18
- 24" Long ................................................................. FP-4-24
- 36" Long ................................................................. FP-4-36
- 48" Long ................................................................. FP-4-48

**Flexible Stainless Steel Pigtails, Gas Specific (I)**

- Carbon Dioxide .................................................. FP-320-(X)
- Medical Air .......................................................... FP-346-(X)
- Nitrogen ............................................................... FP-580-(X)
- Nitrous Oxide ...................................................... FP-326-(X)

(X) = Pigtail Length less fittings . . . 18", 24", 36" or 48".
(Chrome-plated brass end connections.)

**Insufflator Pigtail for Carbon Dioxide Service (For use in conjunction with Insufflator Yoke, #9406, see pg. 49)**

- 1/4" SAE Flare with 7/16"-20 Thread, ......................... FP-123
- Length - 36"

**Pigtails with Inlet Check Valve, Gas Specific (I)**

- Carbon Dioxide .................................................. FP-320-(X)CV
- Medical Air .......................................................... FP-346-(X)CV
- Nitrogen ............................................................... FP-580-(X)CV
- Nitrous Oxide ...................................................... FP-326-(X)CV

(X) = Pigtail Length less fittings . . . 18", 24", 36" or 48".
(Chrome-plated brass end connections.)

Note: (I) - Special configurations and lengths are available upon request.
Copper Pigtail for Manifolding Cylinders

Oxygen, 20" fixed length; Unplated......................BP-540-20

One-Way Check Valve, 1/4" NPT Female Inlet x 1/4" NPT Male Outlet

Adaptor with Nitrile O-ring.................................HP-44CV
Adaptor with Viton O-ring, for Oxygen service ...HP-44CV-V

Tee Couplers

Oxygen, Chrome-Plated Brass .........................T-540
Oxygen, Unplated............................................BT-540
Medical Breathing Mixtures, HeliOx; CGA 280 (I)

- .750-14 NGO, RH-INT Thread
  - Hex Nut .................................................................284
  - Nipple, 2 1/2” x 1/4” NPT Male ..............................285
  - Nipple w/filter, 2 1/2” x 1/4” NPT Male .....................285F

Carbon Dioxide; CGA 320

- .830-14 NGO, RH-INT Thread
  - Hex Nut .................................................................324
  - Nipple, 2 1/2” x 1/4” NPT Male ..............................320
  - Nipple w/filter, 2 1/2” x 1/4” NPT Male .....................320-5
  - Teflon washer for 320-5 & 320-5F nipples ..................360W

Nitrous Oxide; CGA 326

- .830-14 NGO, RH-INT Thread
  - Hex Nut .................................................................3264
  - Nipple, 2 1/2” x 1/4” NPT Male ..............................3265
  - Nipple w/filter, 2 1/2” x 1/4” NPT Male .....................3265F

Medical Air; CGA 346

- .830-14 NGO, RH-INT Thread
  - Hex Nut .................................................................344
  - Nipple, 2 1/2” x 1/4” NPT Male ..............................345
  - Nipple w/filter, 2 1/2” x 1/4” NPT Male .....................345F

Medical Mixtures; CGA 500 (I)

- .880-14 NGO, RH-EXT Thread
  - Hex Nut .................................................................504
  - Nipple, 2 1/2” x 1/4” NPT Male ..............................503
  - Nipple w/filter, 2 1/2” x 1/4” NPT Male .....................503F

Oxygen; CGA 540

- .908-14 NGO, RH-INT Thread
  - Hex Nut .................................................................544
  - Nipple, 2” x 1/4” NPT Male .....................................543
  - Nipple w/filter, 2” x 1/4” NPT Male ..........................543F
  - Nipple, 2 1/2” x 1/4” NPT Male ..............................545
  - Nipple w/filter, 2 1/2” x 1/4” NPT Male .....................545F
  - Nipple, 3” x 1/4” NPT Male .....................................547
  - Nipple w/filter, 3” x 1/4” NPT Male .........................547F

Oxygen, Hand-Tight; CGA 540

- .908-14 NGO, RH-INT Thread
  - Hand-Tight Nut .......................................................544HT
  - Nipple w/Kel-F Tip, 2 1/2” x 1/4” NPT Male ...............543HT
  - Kel-F Tip replacement for 543HT Nipple .................540-RT

Nitrogen, Helium; CGA 580

- .960-14 NGO, RH-EXT Thread
  - Hex Nut .................................................................584
  - Nipple, 2 1/2” x 1/4” NPT Male ..............................583
  - Nipple w/filter, 2 1/2” x 1/4” NPT Male .....................583F
  - Nipple, 3” x 1/4” NPT Male .....................................585
  - Nipple w/filter, 3” x 1/4” NPT Male .........................585F

Note: (I) - For specific gas designations, please contact Bay Corporation.
Cylinder Wrenches

**Heavy Duty Metal Wrench**
For Large Cylinder (1 1/8” Nut) and Medical D & E Cylinder Applications ..................................... WR-3

**D & E Cylinder Wrenches**
- Polycarbonate Wrench......WR-1
- Polycarbonate Wrench, w/4” Loop Chain ......WR-1C
- Polycarbonate Wrench, with 6” Chain & Clip ...................... WR-1CR
- Polycarbonate Wrench, with 12” Chain & Clip Ring...............WR-1C12
- Metal Wrench......................... WR-4
  • Contact Bay Corporation for custom label and security chain options.

sales@baycorp.com
Pin-Indexed Yoke Assemblies

3000 psi max • For D & E Medical Cylinder Applications

CGA Male

1/4" NPT Male

1/4" NPT Male w/Check Valve

Insufflator Yoke
Pin-Indexed Yoke Assemblies
3000 psi max • For D & E Medical Cylinder Applications

**Replacement Components for Yoke Assemblies**

**Oxygen; CGA 870**
- CGA 540 Male ................. 8701
- 1/4” NPT Male .................. 8704
- 1/4” NPT Male ................. 8704CV
  w/One-Way Check Valve and Rubber Washer

**Carbon Dioxide & Oxygen Mixtures (I); CGA 880**
- 1/4” NPT Male .................. 8804

**Helium & Oxygen Mixtures (II); CGA 930**
- 1/4” NPT Male .................. 9304

**Carbon Dioxide, Carbon Dioxide & Oxygen Mixtures (VI); CGA 940**
- 1/4” NPT Male .................. 9404
- 1/4” NPT Male .................. 9404CV
  w/One-Way Check Valve and Rubber Washer
  Insufflator Yoke, 7/16” Flare .... 9406

**Air; CGA 950**
- CGA 346 Male .................. 9501
- 1/4” NPT Male .................. 9504
- 1/4” NPT Male .................. 9504CV
  w/One-Way Check Valve and Rubber Washer

**Nitrous Oxide; CGA 910**
- CGA 326 Male .................. 9101
- 1/4” NPT Male .................. 9104
- 1/4” NPT Male .................. 9104CV
  w/One-Way Check Valve and Rubber Washer

**Nitrogen; CGA 960**
- CGA 580 Male .................. 9601
- 1/4” NPT Male .................. 9604

**Special Medical Mixtures; CGA 973***
- 1/4” NPT Male .................. 9734

* Nonflammable, Noncorrosive Gas Mixtures Labeled as Drugs or Medical Devices, and not having another Connection Assignment.

**Helium, Helium & Oxygen Mixtures (II); CGA 930**
- 1/4” NPT Male .................. 9304

**Note:**
(I) - Carbon Dioxide not over 7%
(II) - Helium over 80%
(III) - Oxygen over 23.5%
(IV) - Oxygen over 23.5%
(V) - Helium not over 80%
(VI) - CO2 over 7%

Special configurations are available upon request.
Diameter-Index Safety System

The Compressed Gas Association (CGA) developed the Diameter-Index Safety System (DISS) to establish a standard for non-interchangeable, removable connections for use with Medical Gases (200 psi max.), Vacuum (Suction), and WAGD (Evacuation) Service. Non-interchangeable indexing is achieved by a series of increasing and decreasing diameters in the components of the connections. These specific diameters act in a key-like fashion, so that fittings within the gas service “family” (Vacuum and WAGD included) will connect only with their own “family members.” In place of diameter indexing, Oxygen (DISS 1240) has been assigned the long established 9/16”-18 thread connection as its safety standard.

Each DISS connection consists of a Body Adaptor, Nipple, and Nut (Fig. 1). As the diameters of the Body Adaptor (A & B) increase/decrease, the diameters of its mating Nipple (C & D) increase/decrease proportionally. In this way, only properly mated and intended parts fit together to permit thread engagement (Fig. 2). The DISS system is utilized on gas pressure regulator outlets, wall outlets, anesthesia equipment and respiratory therapy equipment. Bay Corporation is an active, contributing CGA member. For additional information on the Diameter-Index Safety System, please contact Bay Corporation.

<table>
<thead>
<tr>
<th>Gas Name</th>
<th>Connection No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon Dioxide</td>
<td>1080-A</td>
</tr>
<tr>
<td>He-O₂ mixture (I)</td>
<td>1060-A</td>
</tr>
<tr>
<td>Instrument Air (III)</td>
<td>2080</td>
</tr>
<tr>
<td>Medical Air</td>
<td>1160-A</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>1120-A</td>
</tr>
<tr>
<td>Nitrous Oxide</td>
<td>1040-A</td>
</tr>
<tr>
<td>O₂-He mixture (II)</td>
<td>1180-A</td>
</tr>
<tr>
<td>Oxygen</td>
<td>1240</td>
</tr>
<tr>
<td>Vacuum (Suction)</td>
<td>1220</td>
</tr>
<tr>
<td>WAGD (EVAC)</td>
<td>2220</td>
</tr>
</tbody>
</table>

Chemetron®, Ohmeda®, Puritan®, and Schrader® are trademarks of their respective companies.

Note: (I) - Heliox mixtures: Helium over 80%.
(II) - Heliox mixtures: Helium not over 80%.
(III) - Intended for the powering of medical devices unrelated to human respiration.
Warranty and Remedy

The Buyer represents and warrants that the Buyer is knowledgeable and capable to assemble, process, and resell Bay Corporation's (herein “Bay”) products in a manner consistent with current industry standards.

Except as otherwise noted on Bay’s quotation or other signed written communication from Bay, all parts sold by Bay are warranted for a period of one year from the date of shipment to be free from defects in material and workmanship and to conform to Bay's written specifications applicable to the parts. Bay, at its option, will replace, repair, or give Buyer proper credit for any products or parts found by Bay not to comply with this warranty. No other warranty or guarantee, expressed or implied, including without limitation the warranty of merchantability or fitness for any purpose, shall exist in connection with the design, manufacture, sale, or use of any goods or parts sold by Bay.

Without in anyway limiting the generality of the foregoing, this warranty does not cover, and Bay shall have no liability for:

A. Failure or damage due to misapplication, abuse, improper installation, or abnormal conditions of use, temperature, moisture, dirt, pollution, or corrosion.
B. Parts that have been in any way altered after leaving Bay's plant.
C. Parts damaged in shipment or otherwise without Bay's fault.
D. Expenses incurred by the Buyer in processing any parts before discovery of alleged defects or in attempting to correct same.
E. Failure or rejection of parts due to incorrect specifications and/or design parameters supplied by the Buyer.
F. Damages or losses resulting directly or indirectly from the use or resale by the Buyer of defective parts, or for Bay's parts that have been further processed by the Buyer.

Bay shall not be liable for incidental, indirect, consequential, or punitive damages. The remedies of purchaser set forth herein are exclusive, and the liability of Bay with respect to any contract or sale, whether in contract, in tort, under any warranty, express or implied for merchantability, fitness, or otherwise, shall not exceed the price of the products upon which such liability is based. Bay shall not be responsible for losses, detentions, or delays occasioned by accident, strikes, or fires affecting Bay’s operations or the operations of Bay's suppliers, or any other cause beyond the control of Bay.

All claims by Buyer will be deemed waived if not presented within 30 days after receipt of shipment. Upon notice of any such claims, Bay may inspect any alleged defective parts at the Buyer’s place of business or may request their return to Bay. The Buyer may not return parts without authority from Bay and Bay will not be liable for transportation charges if parts are returned without Bay’s authorization.

Terms and Conditions

Payment: 2% 10 days from date of invoice, net 30 days to customers with established credit.
Past Due Account: An interest penalty of 1.5% per month will be charged to delinquent accounts.
Freight And Allowance: Delivery on all orders of net value of less than $1,500.00 shall be F.O.B. shipping point. On shipments of standard catalog items exceeding $1,500.00 in value, the freight shall be F.O.B. delivered to all points in the continental USA. Unless specifically agreed upon in advance, Bay will select the carrier and route.
Prices: Prices are subject to change without notice and are quoted in US dollars.
Quotations: All quotations are for immediate acceptance unless otherwise stated and are subject to correction for clerical error. Refer to original mailed quotation for additional terms and conditions of sale.
Stock Items: Bay reserves the right to update or change the design of Bay’s standard product line without notice.
Minimum Order: A minimum charge will apply to cover the cost of processing small valued orders.
Returned Goods: Bay will not accept returned goods without prior approval. The Buyer shall obtain an RGA (Returned Goods Authorization) number from Bay. To receive credit, all items being returned must be carefully packed to avoid transit damage. Items returned for reason other than the fault of Bay will be subject to restocking charges. Certain products, including specials and obsolete items, cannot be returned for credit.
Shortage And Damage Claims: Contact Bay immediately upon receipt of shipment to report any shortages and/or damages.
Governing Law: All transactions with Bay shall be deemed to have been made and entered into and shall be construed and enforced in accordance with the laws of the State of Ohio. Any action to interpret or enforce contracts with Bay shall take place in Cleveland, Ohio.
Arbitration: Any dispute arising out of or related to Bay’s products or any contract with Bay, other than an action seeking injunctive relief, shall be resolved by binding arbitration by the American Arbitration Association, in Cleveland, Ohio pursuant to the rules of commercial arbitration. Buyer and Bay agree to each pay one-half the cost of the arbitration proceeding. Any decision rendered by the arbitrators shall be binding upon the parties and may be filed in any court of competent jurisdiction.