High Pressure Oxygen Hose Assemblies

Smart-Hose® assemblies are designed and engineered with a valve integrated in each end fitting. If the hose assembly experiences a catastrophic hose failure, the Smart-Hose® Safety System is designed to instantaneously shut off the flow in both directions. Designed as a passive safety device, the Smart-Hose® Safety System needs no human intervention to activate.

When a high pressure cylinder filling hose assembly fails, the hose can whip violently resulting in property damage, personnel injury and even death. The Smart-Hose® Safety System can protect your facility and personnel from the potential devastating consequences associated with high pressure hose failures.

The Smart-Hose® Safety System is designed to work within high pressure industrial hose assemblies with a PTFE tube typically used for high pressure oxygen and inert gas applications.

- Each hose is tested under water with dry air or nitrogen to working and test pressure
- Each hose is serial numbered
- Each hose is shipped with a Test Certificate and Operating Booklet
- All high pressure hose assemblies are Oxygen cleaned to industry standards

<table>
<thead>
<tr>
<th>Hose Diameter (in.)</th>
<th>Working Pressure (PSI)</th>
<th>Burst Pressure (PSI)</th>
<th>Smart-Hose End Fittings</th>
<th>End Fitting Weight (lb.) each</th>
<th>Part Number</th>
</tr>
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<tbody>
<tr>
<td>1/4&quot;</td>
<td>3500</td>
<td>14000</td>
<td>Brass FNPT 316-SS FNPT</td>
<td>0.40</td>
<td>P02-002-17-XXXX*</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Brass Heat Dissipater FNPT</td>
<td></td>
<td>P02-002-11-XXXX*</td>
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<td></td>
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<td></td>
<td>P02-002-19-XXXX*</td>
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<tr>
<td>1/4&quot;</td>
<td>4500</td>
<td>18000</td>
<td>Bronze FNPT 316-SS FNPT</td>
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<td>P04-002-11-XXXX*</td>
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<td>3/8&quot;</td>
<td>4000</td>
<td>16000</td>
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<td>0.60</td>
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<tr>
<td>1/2&quot;</td>
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<td>16000</td>
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<td>P03-004-19-XXXX*</td>
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</tbody>
</table>

* XXXX Represents the overall length of the hose assembly in inches

Normal Flow — LL1 Valves Open

Coupling Ejection - LL1 Valves Closed