OxySafe offers healthcare providers a cost effective solution to lower the risk of serious patient injury in a dangerous oxygen fire.

Don’t wait for an oxygen fire.
Protect your patients and caregivers now with OxySafe™.
Oxygen fires are often caused by patients smoking while receiving oxygen therapy through a facemask or nasal cannula. This is particularly prevalent in situations where oxygen therapy is provided in the home environment where there is limited patient supervision, though it may occur in environments like healthcare facilities and nursing homes too.

A lit cigarette can easily ignite the tips of a nasal cannula delivering an oxygen enriched air mixture supplied by an oxygen concentrator (typically >90% O2). The fire will then burn the PVC tube, effectively moving back up the tube towards the source of the oxygen — typically an oxygen cylinder, oxygen concentrator or liquid supply — making a hazardous situation worse.

OxySafe™ is a thermal fuse designed to stop the flow of gas in the event that the downstream PVC tube is ignited. With OxySafe, the PVC tube is inclined to extinguish because PVC will not normally burn in air — offering healthcare providers a cost effective solution to lower the risk of serious patient injury in a dangerous oxygen fire.

Fire Safety Officers widely recognize the OxySafe solutions as a high value, low cost investment that delivers improved patient and caregiver safety:

“Illicit smoking is on the increase, which means risks are rising. If an oxygen fire reaches the medical gas pipeline system, the situation will deteriorate rapidly. Anything that reduces the potential for that to happen has to be implemented.”

— Martin Keightley, Executive Committee Member, National Association of Hospital Fire Officers
EASY INSTALLATION

DEVICE SPECIFICATION

<table>
<thead>
<tr>
<th></th>
<th>MINIMUM</th>
<th>MAXIMUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Restriction</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Flow</td>
<td>0 l/min</td>
<td>20 l/min</td>
</tr>
<tr>
<td>Pressure(^1)</td>
<td>0 PSI (0 kPa)</td>
<td>65 PSI (450 kPa)</td>
</tr>
<tr>
<td>Internal leak(^2)</td>
<td>0 ml/min</td>
<td>10 ml/min</td>
</tr>
<tr>
<td>External leak(^3)</td>
<td>0 ml/min</td>
<td>5 ml/min</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>32°F (0°C)</td>
<td>122°F (50°C)</td>
</tr>
<tr>
<td>Transit &amp; Storage</td>
<td>-4°F (-20°C)</td>
<td>140°F (60°C)</td>
</tr>
<tr>
<td>Humidity</td>
<td>0% RH</td>
<td>100% RH</td>
</tr>
<tr>
<td>Gas type</td>
<td>oxygen or oxygen enriched air</td>
<td></td>
</tr>
</tbody>
</table>

\(^1\) Likely upstream system pressure following activation of an OxySafe™ Cannula Valve.

\(^2\) Leak through the OxySafe Nozzle valve after full activation. Full activation may not occur at oxygen flow rates of less than 0.7 l/min, consequently the internal leak rate may exceed the maximum value under very low flow conditions.

\(^3\) Leak from the OxySafe Nozzle valve body after full activation.
Which OxySafe is Right for Me?

OxySafe should be placed as close to what you want to protect as possible.

Use OxySafe’s special tubing to place OxySafe as close to the patient and as close to the oxygen supply as possible.

We recommend the OxySafe Complete Patient Kit (PN 1109-2222).

OxySafe Nasal Cannula Kit
Includes OxySafe with hose barb connections and OxySafe’s unique high quality 2” nasal cannula.
Sold in bags of 25.
1109-2020

OxySafe Concentrator & Regulator Kit
Includes OxySafe with hose barb connections and 2” tubing connector with female trumpet ends.
Sold in bags of 25.
1109-2017

OxySafe Nasal Cannula
Sold in bags of 100.
1109-2023

2” Tubing Connector
Sold in bags of 100.
1109-2014

Replacement OxySafe
Sold in boxes of 100.
1109-2018

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