Praxair's Microbulk Medical Gas Delivery System
An Ideal and Efficient Solution for Your Growing Healthcare Enterprise

CHALLENGE:

YOU REQUIRE SIGNIFICANT AMOUNTS OF MEDIPURE® OXYGEN AND NITROGEN
MANAGING ON-SITE CYLINDERS IS INEFFICIENT AND DIFFICULT
SAFETY AND SITE ACCESS PRECLUDE DELIVERY VIA BULK TANKER TRUCK

SOLUTION:

PRAXAIR'S MICROBULK SYSTEM WITH SPECIALIZED TRUCKS, TANKS, AND SERVICE

Pumper Trucks right-sized for deliveries without trailers, suitable for space-constrained locations.
Microbulk Tanks eliminate the need for personnel to move containers around the facility, improving safety.
Turn-Key installations fully NFPA compliant.
Telemetry System tank levels constantly monitored.

Making our planet more productive™

Healthcare Services
Everything You Need To Know

With real estate and space at a premium, it’s not always possible to accommodate bulk tanker/trailer delivery of bulk medical gases. Praxair offers the Microbulk Medical Gases System to solve delivery problems, reduce the labor costs that results from having to move cylinders – and provide you with benefits that include:

**Supply Security**
- Permanently installed tanks
- Containers right-sized for consumption patterns
- Supply management via Praxair Telemetry

**Improved Safety**
- Eliminates/reduces need for cylinder handling
- Low-pressure tanks, not high-pressure cylinders
- All code requirements met, including NFPA 99

**Increased Productivity**
- No manifold cylinder change-outs mean reduced manpower
- No residual product returned
- More effective accounting and ordering
- Eliminate/reduce cylinder tracking and Loss-of-Use
- Lower maintenance costs

Whether you operate a hyperbaric facility, a nursing home, surgery center or other healthcare facility requiring more medical gases than cylinders or portable containers can efficiently supply, Praxair Microbulk Medical Gas Delivery System is optimally suited to meet your needs.

### Microbulk Container Specifications

<table>
<thead>
<tr>
<th>Model (Manufacturer’s Specifications)</th>
<th>450VHP</th>
<th>700VHP</th>
<th>1000VHP</th>
<th>1500VHP</th>
<th>2000VHP</th>
<th>2000VHP</th>
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<tbody>
<tr>
<td>Nitrogen-NF (SCF)</td>
<td>8,875</td>
<td>15,860</td>
<td>24,350</td>
<td>35,790</td>
<td>47,847</td>
<td>66,592</td>
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<tr>
<td>Oxygen-USP (SCF)</td>
<td>11,124</td>
<td>19,600</td>
<td>30,070</td>
<td>44,220</td>
<td>59,089</td>
<td>82,239</td>
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<tr>
<td>Net Capacity (liters)</td>
<td>420</td>
<td>645</td>
<td>950</td>
<td>1,455</td>
<td>1,945</td>
<td>2,707</td>
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<tr>
<td>MAWP (psig)</td>
<td>500</td>
<td>350</td>
<td>500</td>
<td>500</td>
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<td>500</td>
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<tr>
<td>Diameter (in)</td>
<td>30</td>
<td>42</td>
<td>42</td>
<td>48</td>
<td>48</td>
<td>59</td>
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<tr>
<td>Height (in)</td>
<td>68</td>
<td>60</td>
<td>77</td>
<td>91</td>
<td>117</td>
<td>122.50</td>
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<tr>
<td>Tare Weight (lb)</td>
<td>812</td>
<td>1,250</td>
<td>1,750</td>
<td>2,500</td>
<td>2,950</td>
<td>4,250</td>
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</tbody>
</table>

### The Praxair Difference

As the largest industrial gases company in North and South America, Praxair helps optimize the performance of 1 out of every 5 hospitals in the United States and Canada.

You can be sure that Praxair experts will design and deliver a solution for you – and that your Praxair-installed solution will comply fully with codes and requirements for your Microbulk Medical Gas Delivery System.