

# Pump/Compressor Design Data Sheet

Date: \_\_\_\_\_

Technical Contact: \_\_\_\_\_ Company: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Email: \_\_\_\_\_

**Pump/Compressor Requirements:**

*(See Page 2 for additional requirements)*

- Compressor Flow Rate \_\_\_\_\_  SCFM  ACFM  SLPM
- Inlet Pressure \_\_\_\_\_
- Outlet Pressure \_\_\_\_\_
- Helium Leak Rate \_\_\_\_\_
- Max. Startup Pressure \_\_\_\_\_
- Proof Pressure \_\_\_\_\_
- Burst Pressure \_\_\_\_\_

**Environmental Conditions:**

- Ambient Temperature \_\_\_\_\_  °F  °C
- Ambient Relative Humidity \_\_\_\_\_ %
- Media Gas \_\_\_\_\_
- Max. Gas Temperature \_\_\_\_\_  °F  °C
- Min. Gas Temperature \_\_\_\_\_  °F  °C
- Media Relative Humidity \_\_\_\_\_ %
- Installation Location \_\_\_\_\_  
*(Indoor/outdoor, etc)*

**Electrical Requirements:**

*(Select all that apply)*

- AC Voltage  115  208  230  380  460  575
- AC Frequency  50 Hz  60 Hz  50/60 Hz  400 Hz
- AC Phase  Single  Three
- DC Voltage  12  24  28  Other: \_\_\_\_\_
- DC Motor  Brushed  Brushless

**Compressor Valve Gasket Material:**

- Teflon  Viton (Fluorocarbon)
- Aluminum O-Ring  Other: \_\_\_\_\_

**Miscellaneous:**

- Motor Enclosure  ODP  TEFC  TENV  XP- Div Group(s): \_\_\_\_\_
- Motor Speed  Single Speed  Variable Speed

**Design:** *(Select all that apply)*

- Integral Mount (motor to pump)  Pedestal Mount
- Pedestal Mount with a common base plate
- Single Containment  Double Containment
- Included Plumbing (if applicable)

**Inlet/Outlet Ports:**

- NPT  Cajon/VCR (Metal Seal Style)  Other: \_\_\_\_\_
- Port Specification: \_\_\_\_\_ Port Size: \_\_\_\_\_

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<b>Special Testing or Requirements:</b> <ul style="list-style-type: none"> <li>▪ <input type="checkbox"/> <b>NR007</b></li> <li>▪ <input type="checkbox"/> <b>NR008</b></li> <li>▪ <input type="checkbox"/> <b>NR036</b></li> <li>▪ <input type="checkbox"/> <b>NR020</b></li> <li>▪ <input type="checkbox"/> <b>NR035</b></li> <li>▪ <input type="checkbox"/> <b>NR023</b></li> <li>▪ <input type="checkbox"/> <b>NR024</b></li> <li>▪ <input type="checkbox"/> <b>NR025</b></li> <li>▪ <input type="checkbox"/> <b>Other</b></li> </ul>	<p>LEAK TEST AND CERTIFICATION 1 X 10<sup>-7</sup> SCC/SEC HELIUM</p> <p>RAW MATERIAL CERTIFICATION. STATING MATERIAL TYPE ON ALL WETTED SURFACES.</p> <p>STATIC PRESSURE TEST AND CERTIFICATION OF PRESSURE (1.5X MAX. OPERATION PRESSURE) WITH AIR FOR 30 MINUTES PER UNIT</p> <p>VISUAL AND DIMENSIONAL INSPECTION REPORT PER PUMP DRAWING.</p> <p>PERFORMANCE TEST; RUNNING CERTIFICATION AT 60 HZ FOR MAX. AIR FLOW, MAX. VACUUM AND MAX. OPERATING PRESSURE, PER UNIT.</p> <p>MOTOR CURRENT TESTING CERTIFICATION, PER UNIT.</p> <p>SENIOR AEROSPACE METAL BELLOWS STANDARD INSPECTION EVIDENCE.</p> <p>SENIOR AEROSPACE METAL BELLOWS STANDARD CLEANING CERTIFICATION.</p>
<b>Environmental or Qualification Requirements:</b>	
<b>Special Quality Provisions:</b>	
<b>Application Information and Comments:</b>	