



PUMP / COMPRESSOR DESIGN DATA SHEET

Senior Operations, LLC
Senior Metal Bellows
1075 Providence Highway
Sharon, MA 02067
Phone: (781) 784-1400
Fax: (781) 784-1405

Technical contact: _____ Company: _____

Phone: _____ Fax: _____ Email: _____

Industry: _____ Application: _____

Pump / Compressor Requirements:

(see page 2 for additional requirements)

- Compressor Flow Rate
- Inlet Pressure
- Outlet Pressure
- Helium Leak Rate
- Max. Startup Pressure
- Proof Pressure
- Burst Pressure

_____ Quantity of Pumps Required
 _____ SCFM ACFM SLPM
 _____ Units: _____
 _____ Units: _____
 _____ Units: _____
 _____ Units: _____
 _____ Units: _____

Temperature & Media Requirements

- Ambient Temperature
- Media Gas
- Max. Gas Temperature
- Min. Gas Temperature
- Relative Humidity

_____ °F °C
 _____ °F °C
 _____ °F °C
 _____ %

Electrical Requirements:

(select all that apply)

- AC Voltage
- Frequency
- Phase ~OR~
- DC Voltage
- DC Motor

115 208 230 380 460 575
 50 Hz 60 Hz 50/60 Hz 400 Hz
 Single Three
 12 24 28 Other: _____
 Brushed Brushless

Compressor Valve Gasket Material:

Teflon Viton (Fluorocarbon)
 Aluminum O-Ring Other: _____

Miscellaneous

- Motor Enclosure
- Motor Speed

ODP TEFC TENV XP-Div ____ Group(s): ____
 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 (Metal Seal Style)
 Other: _____
 Port Specification: _____ Port Size: _____



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Special Testing or Requirements:

- NR007
- NR008

- NR036

- NR020
- NR035

- NR023
- NR024
- NR025
- Other

LEAK TEST AND CERTIFICATION 1X10⁻⁷ SCC/SEC HELIUM.
RAW MATERIAL CERTIFICATION. STATING MATERIAL TYPE ON ALL WETTED SURFACES.
STATIC PRESSURE TEST AND CERTIFICATION OF PRESSURE (1.5X MAX OPERATION PRESSURE) WITH AIR FOR 30 MINUTES PER UNIT.
VISUAL AND DIMENSIONAL INSPECTION REPORT PER PUMP DRAWING.
PERFORMANCE TEST; RUNNING CERTIFICATION AT 60 HZ FOR MAX AIR FLOW, MAX VACUUM, AND MAX OPERATING PRESSURE, PER UNIT.
MOTOR CURRENT TESTING CERTIFICATION, PER UNIT.
SENIOR METAL BELLOWS STANDARD INSPECTION EVIDENCE.
SENIOR METAL BELLOWS STANDARD CLEANING CERTIFICATION.

Environmental or Qualification Requirements:

Special Quality Provisions:

Application Information and Comments: