

Pump/Compressor Design Data Sheet

Technical Contact: _____ Company: _____

Phone: _____ Fax: _____ Email: _____

Envelope Drawing:

Compressor Flow Rate: *(Required)*

Compressor Pressure

Requirements:

- **Inlet Pressure** *(Required)*
- **Outlet Pressure** *(Required)*
- **Max. Startup Pressure, Inlet**
- **Max. Startup Pressure, Outlet**
- **Proof Pressure**
- **Burst Pressure**

_____ SCFM ACFM SLPM

_____ PSIG PSIA

_____ PSIG PSIA

_____ PSIG PSIA

_____ PSIG PSIA

_____ PSIG

_____ PSIG

Compressor Temperature Requirements:

- **Max. Gas Temperature**
- **Ambient Temperature**

_____ °F °C

_____ °F °C

Compressor Media Information:

- **Media Gas** *(Required)*
- **Gas Temperature**
- **Relative Humidity**

_____ °F °C

_____ %

Compressor Electrical Requirements: *(Required)*

- **A/C Voltage**
- **Frequency**
- **Phase** ~ OR ~
- **Dc Voltage**

115 208 230 380 460 575

50 Hz 60 Hz 50/60 Hz 400 Hz

Single Three

12 24 90 180

Compressor Valve Gasket Material:

Teflon Viton (Fluorocarbon)

Aluminum O-Ring Other: _____

Miscellaneous:

- **Motor Enclosure**
- **Motor Speed**

Open Dip Proof TEFC TENV XP Group C,D,E F,G

1750 Rpm 3450 Rpm Variable Speed

Design:

Integral Mount (motor to pump) Pedestal Mount

Pedestal Mount with a common base plate

Single Containment Double Containment

Series Plumbing Parallel Plumbing

Inlet/Outlet Ports:

NPT Cajon (Metal Seal Style) Tube Weld Socket

Other: _____

Port Specification: _____ Port Size: _____

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Special Testing or Requirements:	
<ul style="list-style-type: none"> ▪ <input type="checkbox"/> NR007 ▪ <input type="checkbox"/> NR008 ▪ <input type="checkbox"/> NR036 ▪ <input type="checkbox"/> NR020 ▪ <input type="checkbox"/> NR035 ▪ <input type="checkbox"/> NR023 ▪ <input type="checkbox"/> NR024 ▪ <input type="checkbox"/> NR025 ▪ <input type="checkbox"/> Other 	<p>LEAK TEST AND CERTIFICATION 1 X 10⁻⁷ 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 AEROSAPCE METAL BELLOWS ES-1150 CLEANING CERTIFICATION.</p>
Environmental or Qualification Requirements:	
Special Quality Provisions:	
Application Information:	

Senior Aerospace Metal Bellows Engineering Driven Section:	<i>(To be completed by SAMB Engineer)</i>				
Style Type:	<input type="checkbox"/> MB-601	<input type="checkbox"/> MB-602	<input type="checkbox"/> MB-302	<input type="checkbox"/> MB-111	<input type="checkbox"/> MB-151
	<input type="checkbox"/> MB-158	<input type="checkbox"/> MB-118	<input type="checkbox"/> MB-41	<input type="checkbox"/> MB-21	
	<input type="checkbox"/> MB-601HT	<input type="checkbox"/> MB-302HT	<input type="checkbox"/> MB-158HT	<input type="checkbox"/> MB-118HT	
	<input type="checkbox"/> MB-41HT	<input type="checkbox"/> MB-21HT			
	<input type="checkbox"/> MB-601DC	<input type="checkbox"/> MB-302DC	<input type="checkbox"/> MB-151DC		
Final Compressor Description:	MB-_____ with _____ Valves _____ and _____ Fittings _____				