

Pump/Compressor Design Data Sheet

Metal Bellows

Technical Contact: _____ Company: _____

Phone: _____ Fax: _____ Email: _____

<p>Envelope Drawing:</p> <p>Compressor Flow Rate: <i>(Required)</i></p> <p>Compressor Pressure Requirements:</p> <ul style="list-style-type: none"> • Inlet Pressure <i>(Required)</i> • Outlet Pressure <i>(Required)</i> • Max. Startup Pressure, Inlet • Max. Startup Pressure, Outlet • Proof Pressure • Burst Pressure 	<p>_____</p> <p>_____ <input type="checkbox"/> SCFM <input type="checkbox"/> ACFM <input type="checkbox"/> SLPM</p> <p>_____ <input type="checkbox"/> PSIG <input type="checkbox"/> PSIA</p> <p>_____ <input type="checkbox"/> PSIG <input type="checkbox"/> PSIA</p> <p>_____ <input type="checkbox"/> PSIG <input type="checkbox"/> PSIA</p> <p>_____ <input type="checkbox"/> PSIG <input type="checkbox"/> PSIA</p> <p>_____ PSIG</p> <p>_____ PSIG</p>
<p>Compressor Temperature Requirements:</p> <ul style="list-style-type: none"> • Max. Gas Temperature • Ambient Temperature 	<p>_____ <input type="checkbox"/> °F <input type="checkbox"/> °C</p> <p>_____ <input type="checkbox"/> °F <input type="checkbox"/> °C</p>
<p>Compressor Media Information:</p> <ul style="list-style-type: none"> • Media Gas <i>(Required)</i> • Gas Temperature • Relative Humidity 	<p>_____</p> <p>_____ <input type="checkbox"/> °F <input type="checkbox"/> °C</p> <p>_____ %</p>
<p>Compressor Electrical Requirements: <i>(Required)</i></p> <ul style="list-style-type: none"> • A/C Voltage • Frequency • Phase ~ OR ~ • Dc Voltage 	<p><input type="checkbox"/> 115 <input type="checkbox"/> 208 <input type="checkbox"/> 230 <input type="checkbox"/> 380 <input type="checkbox"/> 460 <input type="checkbox"/> 575</p> <p><input type="checkbox"/> 50 Hz <input type="checkbox"/> 60 Hz <input type="checkbox"/> 50/60 Hz <input type="checkbox"/> 400 Hz</p> <p><input type="checkbox"/> Single <input type="checkbox"/> Three</p> <p><input type="checkbox"/> 12 <input type="checkbox"/> 24 <input type="checkbox"/> 90 <input type="checkbox"/> 180</p>
<p>Compressor Valve Gasket Material:</p>	<p><input type="checkbox"/> Teflon <input type="checkbox"/> Viton (Fluorocarbon)</p> <p><input type="checkbox"/> Aluminum O-Ring <input type="checkbox"/> Other: _____</p>
<p>Miscellaneous:</p> <ul style="list-style-type: none"> • Motor Enclosure • Motor Speed 	<p><input type="checkbox"/> Open Dip Proof <input type="checkbox"/> TEFC <input type="checkbox"/> TENV <input type="checkbox"/> XP Group C,D,E F,G</p> <p><input type="checkbox"/> 1750 Rpm <input type="checkbox"/> 3450 Rpm <input type="checkbox"/> Variable Speed</p>
<p>Design:</p>	<p><input type="checkbox"/> Integral Mount (motor to pump) <input type="checkbox"/> Pedestal Mount</p> <p><input type="checkbox"/> Pedestal Mount with a common base plate</p> <p><input type="checkbox"/> Single Containment <input type="checkbox"/> Double Containment</p> <p><input type="checkbox"/> Series Plumbing <input type="checkbox"/> Parallel Plumbing</p>
<p>Inlet/Outlet Ports:</p>	<p><input type="checkbox"/> NPT <input type="checkbox"/> Cajon (Metal Seal Style) <input type="checkbox"/> Tube <input type="checkbox"/> Weld Socket</p> <p><input type="checkbox"/> Other: _____</p> <p>Port Specification: _____ Port Size: _____</p>

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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 _____				