



BELLOWS DESIGN DATA SHEET

Senior Operations, LLC
Senior Metal Bellows
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Technical Contact: _____ Company: _____
Phone: _____ Fax: _____ Email: _____

Size: <ul style="list-style-type: none">• Diameters• Length• Area	Maximum O.D. _____ Minimum I.D. _____ Free Length: _____ (define if assembly of bellows) Effective Area: _____
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Operating Requirements: <ul style="list-style-type: none">• Total Stroke• Operating Positions• Operating Pressures • Misalignment• Torsional	Total Stroke: _____ (define if assembly of bellows) Max. Extended Length: _____ Min. Compressed Length: _____ Pressure Internal: _____ Pressure External: _____ Proof Pressure: _____ Burst: _____ Angular: _____ Parallel: _____ Torque: _____ Cycles: _____
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Functional Requirements: <ul style="list-style-type: none">• Axial Loading • Angular Loading• Parallel Loading• Torsional Loading• Leak Rate	Spring Rate: _____ Load @ Length: _____ Force Output: _____ Angular Rate: _____ Parallel Rate: _____ Torsional Rate: _____ Mass Spectrometer Leak Rate: _____
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Environmental Requirements: <ul style="list-style-type: none">• Temperature• Media• Contamination	Operating: _____ Extremes: _____ Corrosive Gas/Liquid: _____ Particulate: _____
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Material Requirements: <ul style="list-style-type: none">• Bellows• Fittings	(Material Preference, leave blank if none) Material: _____ Material: _____
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Cycle Life Requirements <ul style="list-style-type: none">• Description of Cycles• Cycle Life Requirements• (Deflections, Pressures, Temps)	(Cycle Life Requirements, leave blank if none) Number of Cycles: _____ Description of Cycles: _____ _____
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Description of Application:	_____ _____ _____
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