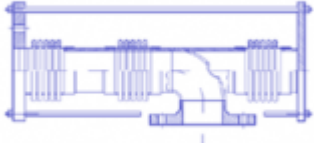


# MB master bellows®

Special expansion joints

N 100

## UC FF

	<p><b>Description:</b> Pressure balanced expansion joints with fixed flanges</p>
<p><b>Characteristics:</b></p>	<p>Excellent reliability, no ageing, absence of permeability, resistant to corrosion, high working temperature In conformity with EJMA (Expansion Joint Manufacturer Association) standards, movements are calculated for 3000 complete cycles at nominal pressure</p>
<p><b>Size range:</b></p>	<p>Diameters upon request</p>
<p><b>Testing:</b></p>	<ul style="list-style-type: none"> <li>- Pneumatic leak test (standard)</li> <li>- Hydraulic test, specific dimensional controls, non-destructive tests, material certificates of main pressure bearing parts (on request)</li> </ul>
<p><b>Fittings:</b></p>	<p>Flanges conforming to EN1092-1 or ANSI B16.5 Special flanges upon request</p>
<p><b>Materials:</b></p>	<p>Bellows in stainless steel 1.4541 EN10028-7 (AISI 321) Flanges in carbon steel On request, other grades of stainless steel</p>
<p><b>Construction:</b></p>	<ul style="list-style-type: none"> <li>- Single or multi-ply metal corrugated bellows</li> <li>- Ends: flanges</li> </ul> <p>The corrugations are formed by a PLC controlled automatic process. The special forming process, free from friction and lamination, allows constancy and accuracy of the corrugation profile with minimal material yielding Internal sleeves from rolled and welded austenitic stainless steel plate</p>
<p><b>Use:</b></p>	<p>Correction of static offsets and compensation for thermal expansion and movements</p>
<p><b>Applications:</b></p>	<p>Gas and steam turbines</p>
<p><b>Working pressure:</b></p>	<p>According to Customer's specifications</p>

<b>Temperature:</b>	Stainless steel -200° ÷ 550°C For expansion joints with structure in carbon steel -20° ÷ 350°C For a temperature range 50° ÷ 550°C performances (movements, working pressure, n° of cycles) must be reduced by applying the relevant coefficients (See document " N205 Derating factors" available in the attachments in the Technical Data section of this product) For a temperature range higher than 550°C, please contact our Technical Department
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