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Ayvaz's special stainless steel expansion joints with carbon steel weld ends are designed to be used for compensating movements and misalignments in exhaust systems in situations with relatively high axial or small lateral movements and combination of these at the same time. Due to the double ply bellows, exhaust expansion joints are more flexible and their life cycle is greater than the simple expansion joints. According to the maximum operating temperature, weld end material could also be made by stainless steel or nickel alloys.

Advantages of District Heating Expansion Joints

- Bellows design according to EJMA coding system.
- Construction according to EN14917 standard.
- Absorption of high axial and lateral movements
- High Life cycle design
- Lower spring rate values
- Easy installation and maintenance.

Application Areas

- Exhaust Systems
- Vibration absorption
- Industrial process & applications

DESIGN (EN 14917&EJMA)

Bellow Material	Stainless Steel AISI 321 (Opt.304,316L,316TI,309)
Connection Types	Welded Ended
Welded End Material	Carbon steel St 37,2 or Stainless Steel
Inner Sleeve	Available in stainless steel AISI 321 (opt.304,316L,316TI,309) on request
Accessories	Inner sleeve, cover, counter flange, gaskets, insulation etc. are available on request.
Certificates	Material certificate 3.1 according to EN 10204 and /or ASME PED 2014/68/EU SEP (Sound Engineering Practice)

Operation Conditions

Operating Temperature	-10C°/+550C°, higher temperatures at peak conditions are possible.
Operating Pressure	Standard pressure rating is PN2,5 & PN6 PN corresponds to the allowable operating pressure at room temperature

Important

For detailed information, get in contact with Ayvaz's expert sales team. We strongly advise against the use of expansion joints and bellows for misalignment. Torsion on bellow parts are not desirable and should be eliminated.

