



Flexoweld Industries



COMPANY PROFILE



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We provide flexibility solution for industrial pipeline by designing, consulting and manufacturing products that help increase lifecycle of pipes.



"Flexoweld Industries" registered under NIC Code 25999, is a proprietorship manufacturing unit. A small scale unit engaged in designing, consulting and manufacturing metal corrugated flexible expansion bellows, metal corrugated flexible hoses, non-metallic fabric bellows. With our sound engineering and expertise product knowledge, the company is willing to deliver quality products and meet customer confidence & satisfaction. With aggressive marketing and sales strategies, we are planning to penetrate domestic market as to be one of the competent bellow manufacturers. Our motto will be to deliver perfectly designed and optimally cost effective products to our end users.

Brings you the finest thin wall expansion bellows specially designed for custom application in every industry. We manufacture expansion bellows from thin metal sheets of different grades. This bellows provide flexibility and can be used for various applications. Our flexible expansion bellow element has many advantages.

- ☑ Corrosion resistant. Suitable for both indoor and outdoor application.
- ☑ Easy to install and comes with user required fittings
- ☑ Customized inner arrangement as per flow media of pipe
- ☑ Complies to international standards
- ☑ Available for all type of pipe and duct size diameter



Prepared with thin metal sheets, this product act as flexing element in almost all type of pipeline in plants and factories.

Today Expansion bellow is most needed part in pipelines. Mainly industries like sugar plants, oil and gas refineries, cement manufacturing plants, thermal power plants, process plants, chemical industries, pharmaceutical plants, paper and pulp plants and other innumerable industries are using bellows.



Applicable for both negative and positive pressure applications

Applicable for high temperature application

Effectively designed for isolating thermal expansion in pipes.

Flexibility to compensate any kind of movement like axial, transverse, angular or combination of this movements

Thin Wall Single Ply Flexible Expansion Bellows



Our thin wall single layer or single ply work more effectively for low pressure and vacuum application. Due to low spring rate this bellows are more adaptive to flexibility and are convenient for compensating combined movements and vibration isolation.

Our thin wall single ply expansion bellows are made from metal sheets of different grades starting with thickness of about 0.2 mm. This bellows are available mainly in Stainless Steel and other nickel alloys.

Thin Wall Multiply Flexible Expansion Bellows



When two or more thin wall sheet shells combined together to form bellow element, such bellow is referred to as multi-ply bellow. Here the total thickness of bellow element is sum of thickness of each ply combined. Thus this flexible bellows are more suitable for high pressure application. Since single ply of higher thickness would not provide enough flexibility, a multi-ply bellow serves both pressure sustainability and flexibility. Moreover multi-ply bellow proves safer compare to single ply bellow, as any damage to inner most ply can still sustain pressure and leak by outer ply.

Pipe Guides and Slides



Pipe guides are basically installed for alignment and balancing of pipes in motion. During thermal expansion pipes undergo different movement like axial, transverse or angular movements. Pipe guides are mainly installed in-line with expansion joints. As they provide specific direction to pipe, this makes expansion joints to work effectively and also increase life of expansion joints. We design and supply pipe guides as per piping engineer recommendation.

All metal flexible corrugated hose assembly



Our thin metal corrugated flexible hoses are available in austenitic stainless steel grade material. It comes with single and double ply of stainless steel wire braiding, as per applicable pressure rating. All metal corrugated hose are available with customer needed end connection. We also provide JACKATED HOSES for special purpose application.

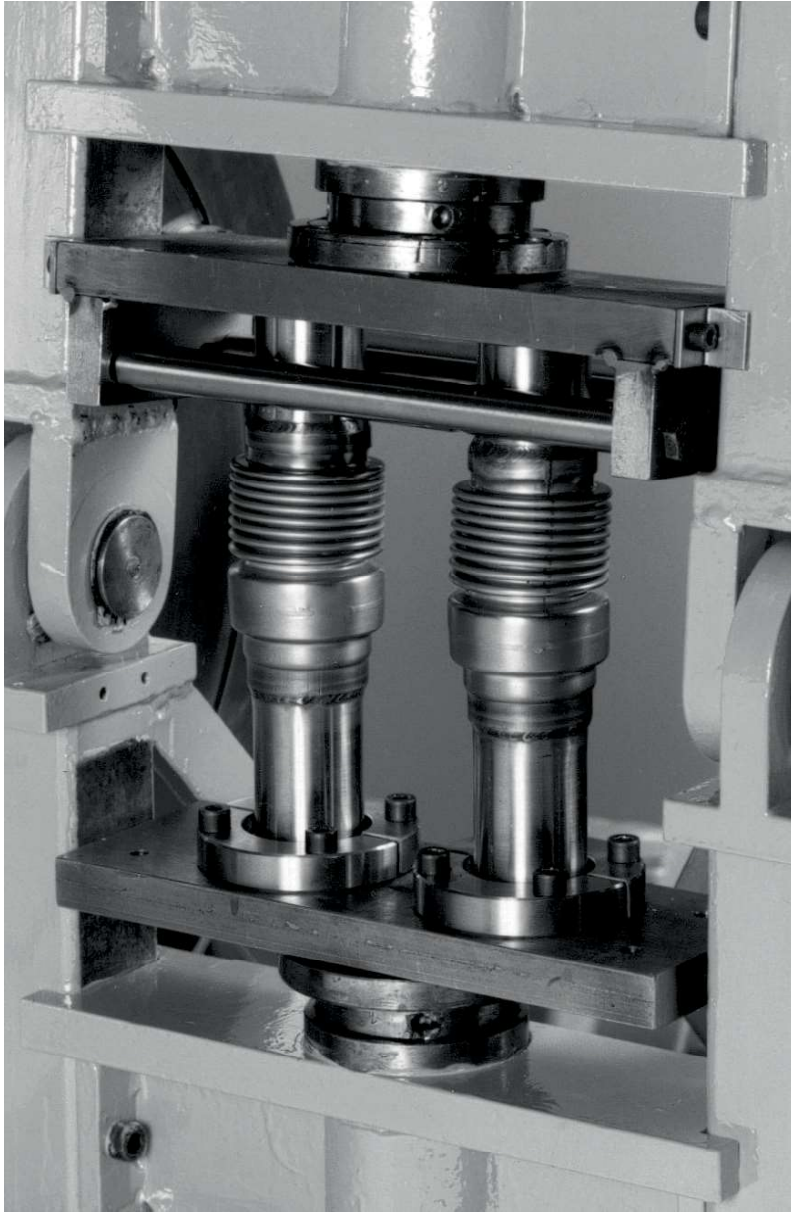
For applicable pressure rating hoses, please call our technical team.

Non-Metallic Fabric Expansion Joints



Innovative development in textile & fabric has emerged with wide range and varieties in fabrics, these fabrics can now be used for industrial application purpose. Silicon coated fabrics, PTFE coated fabrics, and Needle felt blankets and other such essential fabrics which are now available at ease. With the combination of such fabrics we now offer fabric woven non-metallic expansion joints. Our fabric bellows are more suitable for

- ☑ Gas turbine exhaust duct
- ☑ Isolating vibration and minimizing load transmission
- ☑ Cost effective compare to metal bellows
- ☑ Lower replacement cost
- ☑ Best suitable for air ducts of low pressure without abrasive flow media and particles.



We manufacture expansion bellows mostly of austenitic stainless steel SA240 grade for thin wall metal sheets and coils. This material having high modulus of elasticity and corrosion resistivity is preferred for bellow manufacturing. In line with austenitic stainless steel other alloys of nickel base are also used in bellow application.

Our procurement policy adhere material from vendors who supply raw material with sufficient credentials. Austenitic stainless steel raw material procured with either mill test certificates or is tested in NABL approved laboratory with sample piece.

End connecting flanges ferrous and non-ferrous grades are procured as per table of flange standards, with allowed tolerance. We also provide flanges as per customer design and if needed suggest flanges for suitable application.

Our metal flexible bellows are tested in-house at different stages of manufacturing. Necessary tests like long seam welding test, corrugation formation dimensional check, and collar weld joint test, hydro and/or pneumatic test, and final dimensional check test are some crucial tests carried out in-house. Vis-à-vis additional test on paid basis are also carried out on demand by customer.



CONTACT DETAILS

Our engineers design and consult suitable bellows for given operating parameters and application criteria. Kindly contact our team for more details.

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