



اتصالات تاسیساتی امین مهر ادوار

Amin Mehr Advar Utility Joints And Fittings

COMPANY PROFILE 2018

Company Introduction

The company of fittings and installations of Amin Mehr Advar (ATAMA) which was known as Pars Sanat industrial production complex in advance, has started to work since 1394 with combining several production units and the help of professional experts and engineers to set the ground an appropriate manufacturing and designing industrial parts. Following the long time research processes of engineering department in ATAMA complex, designing and manufacturing of flexible expansion joint have been started since 1395.



Features and Capacities

At present, this production unit has a manufacture including 3600m² which 1600 m² of that is roofed and 200 m² office space. This unit is located in one of the industrial hub of Iran. Besides the executive design team and the team of manufacturing, there are experienced and technical experts and financial business group in this complex. ▶



Flexible Hoses

Today's, the use of flexible hoses has increased due to special features such as low cost, more flexibility, more variety in contact with the fluids and different environmental conditions, has attracted many demands in petroleum industry, oil and gas refineries, chemical industry, power plant industries and steel

The impossibility of carrying out the pipeline transmission line

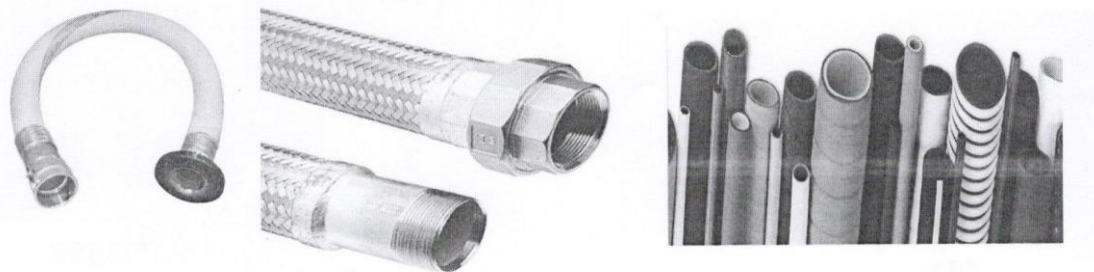
Vibration transmission prevent from one device to another.

Permanent closure of the fitting arms.

Neutralize dimensional changes (expansion and contraction) in pipeline.

Avoid power transmission of Pressure Trust to other equipment of pipeline.

Immunization of facilities against earthquake.



Metal flexible hoses

Braid metal hose has many application because of more flexibility and high pressure and temperature tolerance. These hoses are divided into two parts: accordion layer and braid which the accordion layer is a steel pipe with bellows that is the element of flexibility and the braid is resistant to strike and exterior objects.

The advantages of metal flexible hoses: ▶

Applicable in large temperature spectrum ▶

Reducing the pipe expansion and contraction ▶

High pressure tolerance compare to other types ▶

Unflamable ▶

Joint ability to portable parts of equipment. ▶

Economic and easy installation in hard piping position ▶

Ability to compensate the installation errors ▶

Composite flexible hoses

Composite flexible hoses are at the center of attention because of their more flexibility compare to other hoses. This type of hose doesn't need welding (like metal hoses) and vulcanizing process, so they are more trusting in QC, manufacturing process and service and verification tests. ▶

The advantages of composite hoses: ▶

Excellent curvature ability and bending radii. ▶

Easy to move due to low weight compare to other types of hoses. ▶

Ability to tolerate certain environmental conditions (chemical), resistant to corrosion. ▶

Variety in features according to the material. ▶

Easy to implement and economical installation in places with hard access. ▶

The best choice to use in fuel distribution and oil derivatives. ▶

Fabric expansion joint

Fabric expansion joint are used to reduce the vibration caused by thermal expansion and contraction through the path of ducts and exhaust including gas flux of hot weather and combustion gases. By attention to the special advantages of fireproof Fabric expansion joint, use and replacement in the field of cement industry, power plants, steel, oil and gas refinery, petroleum centers, chemical industry and recycling factories have increased. ▶

The advantages of fireproof Fabric expansion joint are as follows: ▶

Ability to eliminate large movements simultaneously in all directions and compensation for duct disparities. ▶

Very low spring coefficient compare to other expansion joints. ▶

Reducing duct reliance points. ▶

Lower weight compare to similar joints and reducing the spring coefficient ▶

High resistance to corrosion ▶

Reduce the stop and repair time by facilitating movement, installation and storage. ▶



Effective elements in fabric expansion joints are as follows:

► Fluid characteristics (temperature, corrosion, abrasive properties...)

Environmental conditions ►

Work pressure and fluid velocity ►

The amount of requested movement in joints. ►

The metal frames of fabric joints has a great effect on the function, operation and useful life of this type expansion joint. The correct choice of internal sleeve and insulation are the most important points which should be considered in these expansion joints. The most prevalent types of internal sleeves are shown in the following pictures. Installing and assembling of joints on metal frames and final sealing of fireproof layers are the most sensitive part of fabric expansion joints and should be done by expert and professional people.



Technical services

- ▶ Run, installation and set up of pipelines , valves and flanges
- ▶ Design and implementation of insulation and polymer coats (special compound)
- ▶ Executes a variety of anti-corrosion methods (rubber line, inflammable coats and anti-humidity covers)
- ▶ Restoration of sections and worn or burned parts
- ▶ Welding and assembling of alloy-thermal sections (storage tanks, turbines...)

Design and Build

- ▶ Pressure vessels and storage tanks, boiler and heat exchanger
- Rubber, metal, fabric and composite expansion joints ▶
- Several expansion joints and hoses (metal, rubber and composite) ▶
- Combined metal, alloy and polymer joint ▶
- Pipelines and transfer ▶
- Different rubber products ▶

Equipping industrial raw material

- ▶ Different pipes, sheets and flanges in varied material with international certification

Equipping non-metal and rubber parts in special polymer types ▶

Supplying different pieces in accordance with valid international standards ▶
(ASTM, ASME, DIN, BS, JIS...)

Technical advice

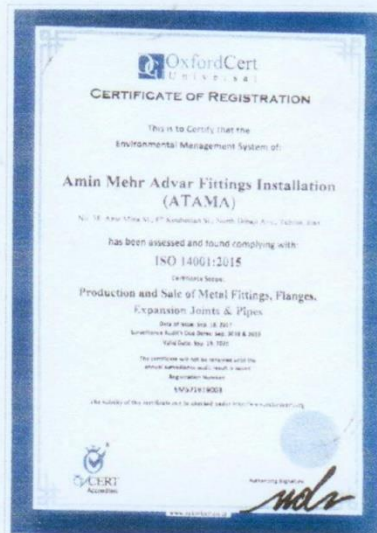
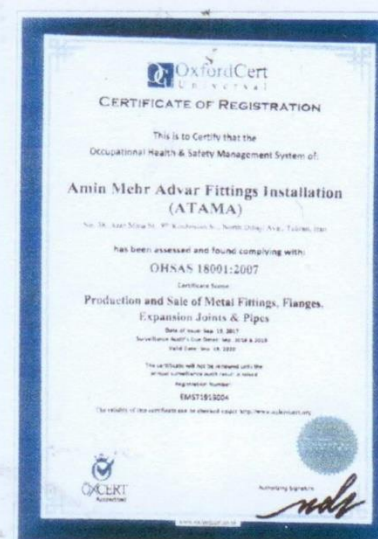
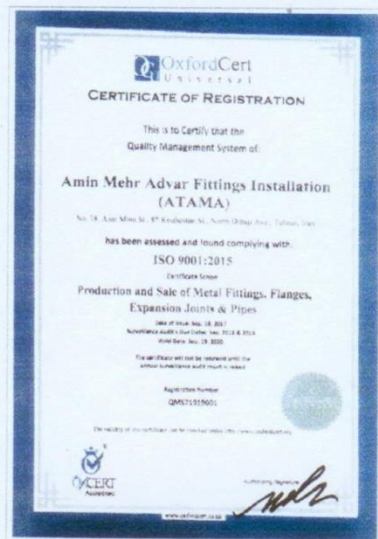
- ▶ Compilation and adjustment of schedule of industrial project with an entrepreneurial approach

Practical analysis of reference standards and institutionalize the processes in industry and strategic management of projects and systematic implementation of the process. ▶

Provide comprehensive and detailed plans in design and project analyze phase ▶
editing of technical welding document, WPS, PQR, qualification and ▶
accreditation of welder

processing the procedure of building and production supervising (welding, ▶
machine, forming)

establishment of QC system and quality improvement ▶



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