

PARS KAVAND INDUSTRY CO.

ABOUT US

Pars Kavand Industry at a Glance

Pars Kavand Industry Co. is a privately owned company established in 2003 with a wide range of capabilities in Engineering, Technical Services and Supply of Equipment especially in the area of oil and gas industries and power plants. Thanks to the experienced Engineers who have been chosen from different industries with great knowledge in their designated field of activities, we have a good market stand in the mentioned industries.

Our reputation is based on our experience, vision, and integrity of performance, enabling us to explore the best possible approach to meet our client's needs.

We provide professional engineering, consultation and training services along with supply of equipment and spare parts for all of our products in oil, gas, petrochemical, power and water and wastewater treatment industries.

We cover a broad range of high quality products from world class manufacturers and supply their spare parts with competitive cost effective prices.

Pars Kavand Industry Co. is a fast growing Company and intends to maintain its professional position with continuous improvement in engineering and training industrial equipment and systems.

Our Mission:

Is to be an environmentally conscious, overall responsible, well managed for-customer enterprise that aims for future growth and development.

Is to have satisfied customer in all aspect of our mutual cooperation.

Is to innovate. We will strive to fully understand the problems of our clients and customers. We will remain open minded and explore new possibilities that lead to effective solutions.

Is to build and maintain alliances with those that share our interests and can contribute to and participate in our success.

We believe in education, customer satisfaction and market expansion. We will foster relationships that integrate the talent, interests and goals of all our co-workers.

Organizational Structure:

Departments:

Engineering:

The main activities of our engineering department are:

1.Advise for installation and commissioning

2. Answering customer's technical question in every state of project

3. Research and development for each project

Commercial and sales:

Because of the very competitive market, it is obvious that creativity of marketing and sales department always plays an important role in each company. In order to get optimized results, Pars Kavand Industry Co. commercial experts and sales engineers do their best for their duties.

Management:

This department in Pars Kavand Industry Co. has valuable missions outlined as following:

1. To make sure customers are receiving the attention they deserve;

2. Analyzing and interpreting trends to facilitate planning;

3. Using information technology to record data analysis

4. Maintains staff by recruiting, selecting, orienting, and training employees; maintaining a safe, secure, and legal work environment; developing personal growth opportunities.

EQUIPMENT

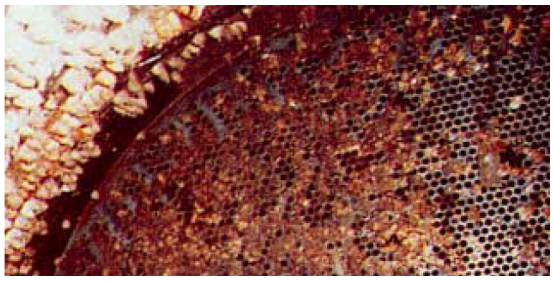
Electrochelorination

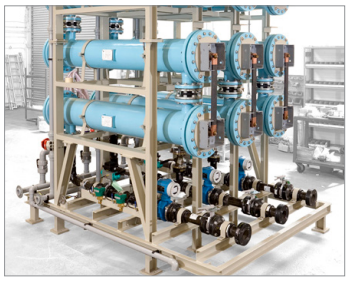
Many industries today use large quantities of water for cooling process. Power generation plants, chemical plants, refineries, LNG facilities, paper mills, steel works etc. In addition in many areas of the World desalination of seawater and brackish water by flash evaporation or membrane process, is commonplace. In most cases the presence of biofouling such as molluscs, algae or slime, cause numerous problems for plant and equipment. Fouling can adversely affect system hydrodynamics, restricting flow increasing pumping pressures and accelerating corrosion potential. Such problems will shorten the life of pumps, screens, heat exchangers and other plant items as well as increase the operation and maintenance costs.

The treatment of biofouling problems is generally acceptably controlled by the addition of a disinfection process into the system. Commonly gas chlorination has been the historic choice. Electrochlorination is the 'onsite' instantaneous production of sodium hypochlorite solution at a safe, dilute concentration suitable for direct injection into process. The elimination of transportation and storage of chlorine gas or other disinfection chemicals means electrochlorination is now a more viable, cleaner, safer technology for today's industries.

Pars Kavand Industry Co. is a leader in engineering, supplying and installation of Electrochlorination units and thanks to our first class manufacturers, we have lots of references in Iran.







Filtration Systems

We have 13 years experience in supplying filtration systems with different range of capacity for oil, gas, petrochemical and power industries. Thanks to our world class manufacturer, we can supply a wide range of equipments in this field.

Key technologies:

- Cartridge filters
- Bag filters
- Back flushable sea water filters
- Pressure Leaf filters
- Candle filters (Cricket filter & Pulse Tube)
- High pressure gas filters
- Coalescers
- Basket filters
- Backwash and cross flow systems
- Disposable filter and ion exchange canisters
- All types of scrubbers



Refrigeration Unit:

We can supply process refrigeration packages and gas compression for different industries like oil, gas & petrochemical, power, chemical, pharmaceutical, and related industries.
Our offers include engineering consultancy, supply of below equipment and packages and after-sales support.

Key technologies:

compressor packages, chiller systems, condensing units, pressure vessels, shell & tube heat exchangers

Applications:

- Deethanizer plant refrigeration in Gas Processing Plants
- Chlorine liquefaction, Heat transfer fluid (HTF) chilling & Water/glycol chilling in Petrochemical Plants
- Boil-off gas (BOG) compression and, Ammonia storage in Fertilizer Plants
- Propane & butane storage in Hydrocarbon Storage Facilities
- Turbine fuel gas compression & Gas turbine inlet air chilling in Power Generation
- Process gas chilling & condensing & Nitrogen chilling in Industrial Gas Application.





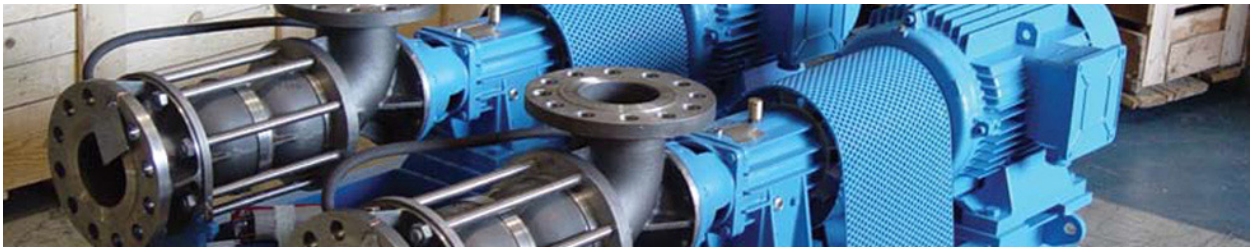


EQUIPMENT

Pumps

We can supply all types of API610 Centrifugal Pumps as follows:

Centrifugal	Over Hung	Flexibly coupled	Horizontal	Foot-mounted	OH1
				Centerline supported	OH2
			Vertical in line with bearing brackets	-	OH3
		Rigidly Coupled	Vertical in line	-	OH4
		Closed Coupled	Vertical in line	-	OH5
			High speed integrally geared	-	OH6
	Between Bearing	1 and 2 stage	Axially split	-	BB1
			Radially split	-	BB2
		Multistage	Axially split	-	BB3
			Radially split	Single casing	BB4
				Double casing	BB5
	Vertically Suspended	Single casing	Discharge through column	Diffuser	VS1
				Volute	VS2
				Axial flow	VS3
			Separate discharge	Line shaft	VS4
				Cantilever	VS5
		Double casing	Diffuser	-	VS6
			Volute	-	VS7



Cooling Tower

Our modular system enables us to supply capacity to order. The modular cooling tower system can be expanded and customized, and there are standard solutions available for various capacity requirements.



Wellhead Equipment

To satisfy the wider range of customer needs, we expanded the products that are supplied by us to include high pressure, engineered wellhead equipment as follows:



Hydraulic Actuated Valves

Hydraulic Actuator is designed to be used in conjunction with valve bonnets, to provide open and close control for major brands of API 6A through conduit reverse acting gate valves fitted to oil and gas wellheads and production flow lines.

This type can be Suitable for offshore and onshore locations and ideal for use in H2S and CO2 applications, the range of hydraulic piston actuators provides a simple and reliable valve automation solution.



Line Pressure Operated Surface Safety Systems

Line Pressure Operated (LPO) Surface Safety Systems are hydraulically operated flow line control valves, arranged to protect a facility from the effects of pipeline failures. The primary function of the Line Pressure Operated Surface Safety System is to detect any abnormal high or low flow line pressure deviations and respond to it, by shutting down the streamline.



The Self Contained Surface Safety Valve

The Self Contained Surface Safety Valve uses hydraulic fluid pressure generated by a manual hand pump. Its major use is to protect facilities from the effects of pipeline failure and abnormal conditions. Unlike LPO systems, line pressure is not used to operate the SCSSV system.

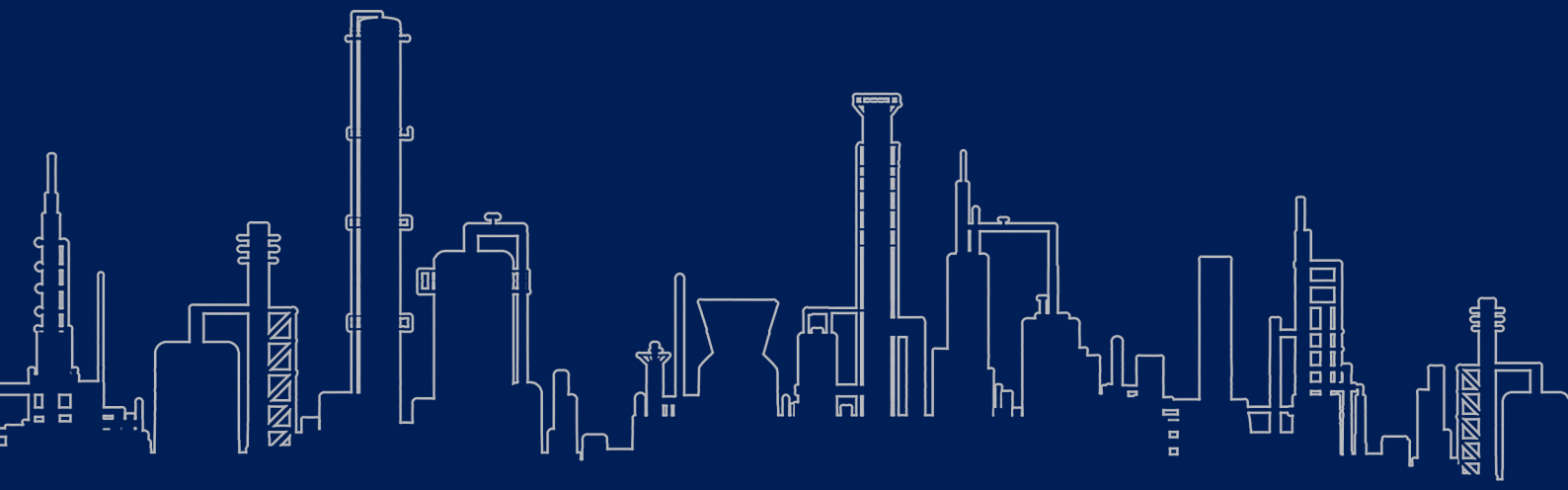
The Surface Safety Valve system is designed for remote shutdown of wellheads or flowlines that encounter a high or low pressure condition. It is operated by High and Low pressure pilots sensing the flow line pressure, which enters the system through a tap in the upstream flange of the valve.

The optional ESD emergency shutdown system can be used to enable field operators to shut down the flow line at any desired time during production, testing or maintenance operations.



Choke Valve

Choke Valves are severe service valves which are designed specifically for oil and gas wellhead applications, both in a surface and subsurface context. They are used for controlling the flow on production, reinjection and subsurface wellheads.



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