

PEPCO

Pishgaman Energy Pazh Company



The logo for PEPSCO, featuring the letters 'PEPCO' in a bold, white, sans-serif font. The letter 'O' is stylized to include a dark blue oil drop shape. The entire logo is set against a dark blue background that is part of a larger graphic element.

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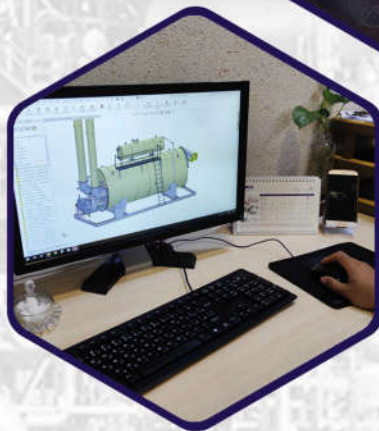
**Professional in Design and
Manufacturing of Oil and
Gas Equipment.**



Introduction

Pishgaman Energy Pazh Company(PEPCO) has been established in 2008 in order to design, manufacturing and commissioning of light equipment of oil, gas, petrochemical and power plant industries. By employing good managers and experts with many years' experiences in mentioned field, the company has been reached considerable progress in field of design, manufacturing and production of required devices for mentioned principal industries.

Implementation of Quality management system based on ISO 9001: 2015 and related Quality Assurance standards and also supervision on personnel training in related technical and management professional fields, is lead to preserve high quality of products, according to latest international standards and client requirements.



Technical & Engineering Department

Among the main activities of **PEPCO** in the field of design and construction of refinery equipment are gas pressure reduction and measuring stations, and according to the company's need to implement, maintain and upgrade technical knowledge in the mentioned fields, the engineering dep. aims to create Necessary capabilities, planning, development and production of new products and optimization of current products (continuous improvement) through related processes have been: created by attracting capable and motivated personnel in the compa

The processes that are implemented, controlled and updated in this dep. are as follows:

- Preparation of technical documents and required standards.
 - Determining and increasing the capability of production processes.
 - Monitoring and improving the quality of contractors' products. through periodic evaluations and providing appropriate solutions.
 - Factory layout design to optimize material flow within production workshops.
- These processes are performed in line with organizational relationships with other units of the company, especially quality assurance units, planning, production and business.

Research & Development (R&D) Department

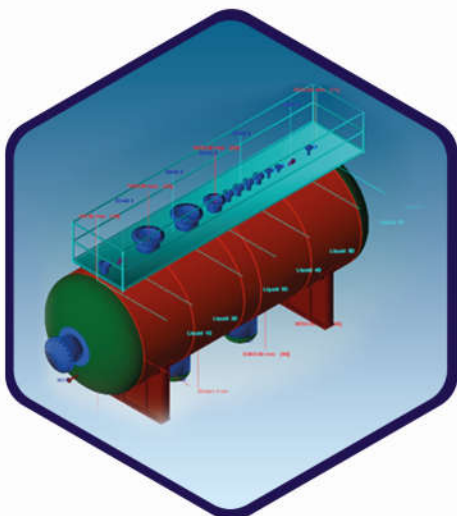
The existence of a department or unit called research and development in any organization is essential.

Increased competition and the motivation to survive has caused organizations to focus their activities on core competencies and basic products, which also requires financial and time investment in research and production of basic and efficient technological innovations. In this regard, the activities of the research and development department should be focused on creating new and creative business and in the direction of short-term and long-term goals of the organization.

This unit has an important and direct impact on innovative measures and products, productivity control, quality and efficiency improvement, standardization of measures and products at the national level, as well as on science production, including carrying out research projects required by the organization.

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PRESSURE VESSELES



Pressure vessels are tanks that have a pressure higher than the atmosphere. These vessels are widely used in various industries. PEPCO, along with experience in this field, has taken steps to optimize this sector and in this field the latest design and analytical software of vessels under ASME SEC VIII Div.1, Div.2 has benefited.

HEAT EXCHANGERS



Heat exchangers is one of PEPCO`s products. This company with active presence at this domain could be succeed at engineering design, fabrication, test and delivery at site for most Heat exchanger projects. the designs meet all the requirements of special specifications in accordance with ASME Code.

WELLHEAD CONTROL PANELS



The Wellhead Control Panel is the control center and monitors the abnormal pressure and provides shut – in of the well due to a high or low pressure condition. In the closing/opening the well, the sequence of valves is important point; therefore, it contains an interlock circuit to ensure that. PEPCO, with the technical knowledge, is one of the manufacturers of hydraulic control systems for wells, observing all relevant standards.

CHEMICAL INJECTION PACKAGE



In this industry, responsibility of this package is to inject corrosion/Asphaltene inhibitor from its storage tank into the pipeline, continuously. The dosing pumps are most important equipment in this package; Mixer, Storage tank, control system, pulsation damper, calibration pot, pressure gauge and level gauge Can use in such packages as needed.

PIG LAUNCHER & RECEIVER



The Pig Launchers and Receivers are designed for introducing and removing all different types of Pigs in/out of pipelines. They are equipped with quick opening closure according to ANSI codes. PEPCO is able to manufacture equipment of Launchers and Receivers and trolley (specifically designed for each Pig) according to the material requirement and type of piping with related design code and standard.

PIG DETECTOR / PIG SIGNALLER



The Pig Signallers are necessary equipment of the pipeline during the pipe cleaning process. They are installed on the pipeline to determine whether the pig has passed. PEPCO is a manufacturer with years of research in the field of design and production of pig signallers including intrusive and non-intrusive type and in a variety of general or special materials (depending on the client order, environmental conditions and fluid).

DRY GAS FILTER



Dry gas filter is one of the common types of filtering in gas metering and reducing stations. This equipment is usually used in the last stage of filtration and collection of possible impurity particles from natural gas. PEPCO is a Manufacturer with technical and experimental knowledge in the field of design, manufacture and operation of filtration systems, in accordance with IPS, IGS and ASME codes.

QUICK OPENING CLOSURE



All filtration equipments are enclosed with Quick Opening Closure, which all stages of construction, including mechanism design, mechanical analysis, machining and assembly, are performed in this complex. PEPCO has the ability to manufacture such doors in an any type, including Hub & Clamps, Bayonet, Yoke and Band Lock, and in accordance with the latest edition of the IPS and IGS Standard and ASME/API codes.

SAFETY RELIEF VALVE



A safety relief valve is a protective device that controls the pressurized environment. This valve is designed to protect pressure-sensitive systems to prevent the damaging effects of high pressures, in addition, to assure that the pressure remains within the set range of the device. PEPCO is a manufacturer of various types (such as spring loaded and pilot operated) of industrial safety valves.

GAS PRESSURE REDUCING & METERING STATION



The natural gas after refining must reach the desired state in stages. The places where this Gas is reduced and converted into usable pressure are called gas pressure reducing stations. PEPCO is a manufacturer with Engineering knowledge and experience in the field of Gas Pressure Reducing and Measuring Stations such as City Gate Stations(CGS), Town Board Stations(TBS), industrial and power plant stations.

WATER BATH HEATER (NATURAL/ FORCED DRAUGHT)



In order to prevent freezing, the flow of gas must be preheated so that its temperature is high enough that after the gas reaches the pressure reducing stage, the temperature after drop is higher than of the hydrate formation temperature of gas. These Gas preheaters are indirect water bath heaters. These types of heaters are designed and manufactured in the two types; forced draught and natural draught. PEPCO is a leader in production of WBH as well as research and development (especially in forced draught).

TWO STAGE MULTI CYCLONE SCRUBBER



PEPCO's two stage multi-cyclone gas scrubber provide superior performance across an array of applications specially removal of liquid from inter stage and final discharge stages in stations.

The contaminated gas including solid particles and liquid droplets enters the first section (Cyclone Tube Bundle) and passes through the cyclone tubes where solid particles and liquid droplets are separated by using centrifugal force. The second stage consisting a bank of filter elements where solid particles filtered from the gas stream and liquid particles are coalesced into larger droplets and finally the clean gas exits through the outlet nozzle.

ODORIZER – INJECTION TYPE / BY PASS TYPE



The gas in the pipelines is odorless and must be scented with a substance called mercaptan to use and detect it. Mercaptan is added to the gas by an odorizer. Odorizers are designed and manufactured in two types of bypass and injection. PEPCO has the necessary technical knowledge to design, manufacture, installation and operation these odorizers and is able to design and manufacture any types of odorizers in different capacities.

FILTER SEPARATOR



The gas filtration equipment is used to prevent the entry of impurities into sensitive equipment and to protect them. A filter separator is a two-stage device. The first section is a filter, where solid particles are filtered from the gas stream and liquid particles are coalesced into larger droplets. The second stage of that contains a mist extraction device. As for a conventional separator this may be a mesh pad, vane pack or multi-cyclone bundle. PEPCO is a leader in production of them and is able to design and manufacture in different capacities.

SAFETY SHUT OFF VALVE



PEPCO pressure protection system is designed to protect equipment downstream of a pressure reducing station. It consists of a complete ball valve with actuator and control system supplied in a self-contained and compact unit. It should be installed in upstream of the stations. If there is an excessive change in pressure downstream, it will react by shutting off the gas supply; the pressure switch can sense either rising pressure, falling pressure or both as specified.

AXIAL FLOW VALVE



The axial flow valve is a device used to regulate and control gas pressure in gas pressure reducing Stations and it is renowned for reliability. The unique design of the axial flow valve of PEPCO makes it significantly compact and easy to carry. An important feature of this equipment is the ability to change the output flow in high capacity. The axial flow valves of this company are made in 2 to 12 inch sizes and 150 to 600 class.

DYNAMIC MIXER



PEPCO is also active in the development and manufacture of industrial machinery, including pumping, injecting and fluid mixing systems. A Dynamic mixer (impeller mixers) is used to mix chemicals (liquid-liquid / liquid-solid / liquid-gas, heat transfer, etc.). The main task of mixers is to mix different chemicals; Since the impellers are directly related to this topic, their material is too much importance. These impellers are usually made of stainless Steel.

health (H), Environment (E) and safety (S), HSE is what organizations must do to make sure that their activities do not cause harm to anyone. Commonly, quality assurance and quality control is adjoined to form the company division known as HSQE.



ISO 9001 helps organizations ensure their customers consistently receive high quality products and services, which in turn brings many benefits, including satisfied customers, management, and employees.

Creative growth to infinity



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