

General Catalogue

PETRO RIVA

STERLING SOLUTIONS



LICENSE PROVISION & ENGINEERING SERVICE

TRADING

WWW.PETRORIVA.COM



ABOUT US

Where license provision and design is concerned, with the assistance of our team of experienced engineers and technical staff and our well-established relation and cognition of European well-known licensors , we provide license and perform basic design, detail design and procurement services of each plant, meeting our client's standard or new-technology requirements while using various types of materials with a variety of complex specifications.

We supply special items in oil, Gas and petrochemical industry including special mechanical equipment and rotary facilities instrumentation. In the event of our close relationship and former co-operations with international and world class companies in this field, we make case-basis partnership with them for any special or technically complex project as well.



LICENSE PROVISION





— LICENSE PROVISION

Petroriva is a distinguished provider of licenses from leading European manufacturers, further enhancing its service offerings in the oil and gas sector. By partnering with reputable companies, Petroriva ensures that clients gain access to cutting-edge technologies and high-quality products that meet international standards. This capability allows clients to leverage innovative solutions and established expertise, facilitating the implementation of advanced systems in their operations.

Petroriva's commitment to sourcing reputable licenses empowers businesses to optimize their processes and maintain a competitive edge in the dynamic energy market while ensuring compliance with industry regulations.

ENGINEERING

Petroriva specializes in trading in the oil and gas sector, with a strong emphasis on supply and procurement. By leveraging its extensive network and industry expertise, the company facilitates the efficient movement of crude oil and refined products to meet the demands of clients across various markets. Petroriva is committed to maintaining high standards of quality and reliability in its operations, ensuring that customers receive the best products and services available. With a focus on strategic partnerships and robust supply chain management, Petroriva plays a vital role in connecting producers with consumers, optimizing resources, and contributing to the overall efficiency of the energy market.







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SPECIAL EQUIPMENT

AIR SEPARATION UNIT

Air separation unit (ASU) is a facility designed to separate atmospheric air into its primary components, primarily nitrogen and oxygen. This process is achieved through a combination of technologies, including cryogenic distillation and adsorption separation. In cryogenic distillation, air is cooled to extremely low temperature, causing the various components to condense and separate based on their boiling points. For example, Oxygen has a boiling point of -133°C while nitrogen's boiling point is -196°C .

Adsorption separation, on the other hand, uses specialized materials called Molecular-Sieves to selectively remove impurities and other gases from the air stream. These packages produce Nitrogen with the purity of 99.9% and the concentration of Oxygen in the effluent could be less than 10 PPM.



SPECIAL REACTOR

We provide top-notch Industrial Reactors specially tailored for trading and supply in the oil and gas sector. Our reactors are essential for a wide range of chemical processing applications, delivering consistent performance and efficiency. With a commitment to quality, our Industrial Reactors meet stringent industry requirements, ensuring safe and effective operations. Partner with us for reliable supply solutions that enhance your production capabilities, backed by exceptional service and support.



H2 MEMBRANE

Hydrogen membrane purification is an advanced technology used to enhance the purity of hydrogen gas through selective permeation. This process relies on membranes made from specialized materials, such as palladium or palladium alloys, which allow hydrogen molecules to pass through while rejecting larger gas molecules and impurities, such as CO, CO₂, and CH₄. The hydrogen-rich gas is fed to one side of the membrane under pressure, facilitating the diffusion of hydrogen through the membrane to the other side, where it is collected as high-purity hydrogen. This method is particularly advantageous due to its high efficiency, compact design, and ability to achieve purities of up to 99.999%.



MECHANICAL & ROTARY EQUIPMENT

TURBINE



Petroriva is well-equipped to supply a comprehensive range of rotary equipment, including pumps, compressors, and turbines, alongside its offerings of pipes, valves, and fittings. By sourcing these critical components from trusted manufacturers, Petroriva ensures that clients receive reliable, high-performance machinery tailored to their specific operational needs in the oil and gas sector. This expanded capability, combined with the provision of licenses from renowned European manufacturers, positions Petroriva as a one-stop solution for clients seeking to enhance their infrastructure and efficiency. With a commitment to quality and timely delivery, Petroriva supports its clients in optimizing their processes and maintaining a competitive edge in the evolving energy market.

PUMP



COMPRESSOR



INSTRUMENT

TRANSMITTER



Our company offers a comprehensive range of instrumentation solutions essential for the petrochemical and refinery industries. These instruments ensure efficient operation, safety, and compliance with industry standards. Explore our solutions to enhance operational efficiency, safety, and regulatory compliance in your facility.

GAUGE



INSTRUMENT

PSV



CONTROL VALVE



PIPING AND FITTING MATERIALS

VALVE



Particular pipes, piping items with distinct material supplied from well-known European, Japanese and Korean manufacturers.

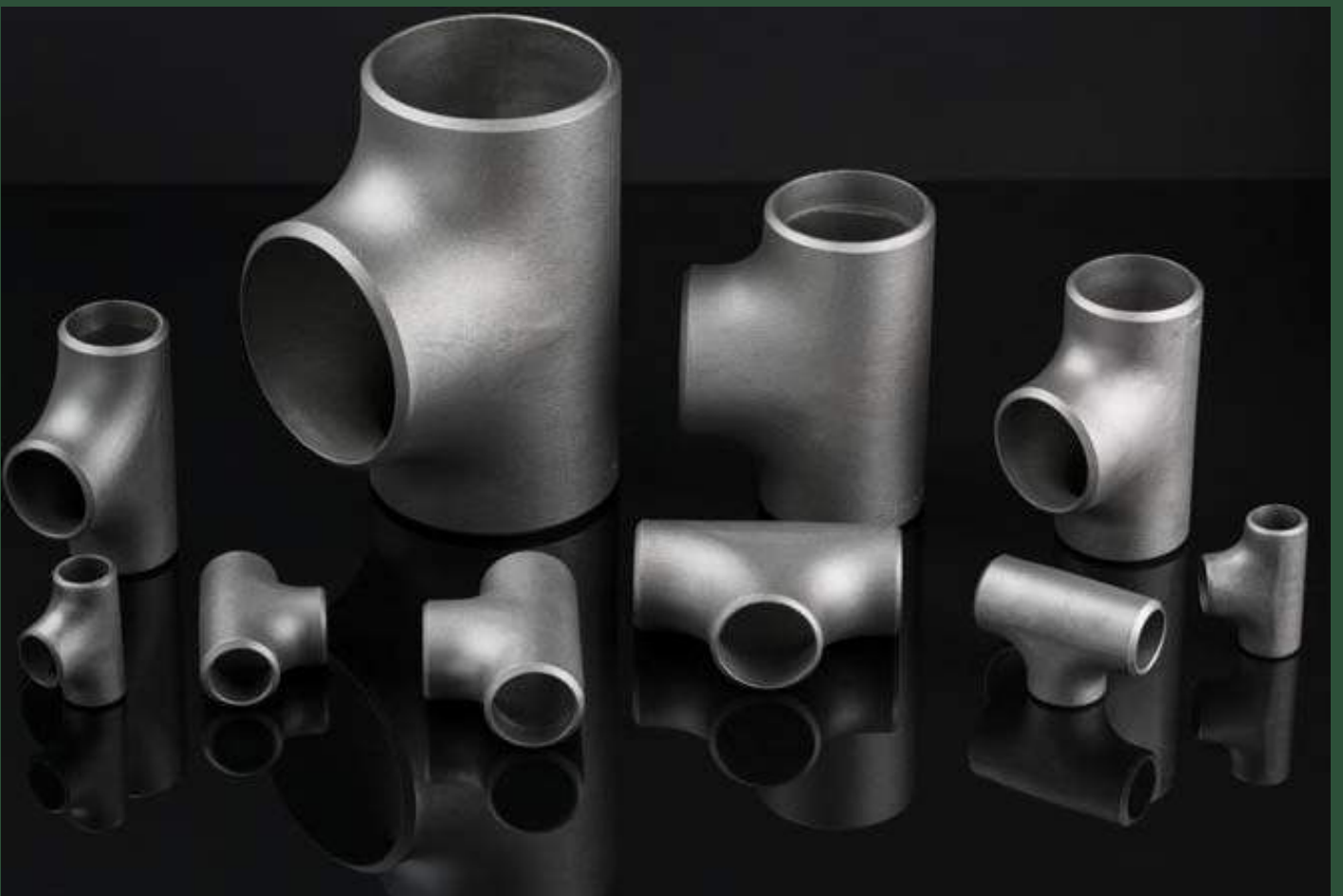
PIPE



FLANGE



FITTING



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THANK YOU

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