



Rain

Rain is a pioneer in the water and soil industry

Relying on the technical knowledge of water, soil, wastewater and environmental engineers, PADIDEH SHIMI SADRA (Rain) Company has started its activities in the fields of consulting, designing, manufacturing, installing and operating water and wastewater treatment systems in various industries such as chemical, food, health, biofertilizers, organic materials, soil nutrients, as well as the production of knowledge-based products in order to increase the productivity and the health of the society and protect the environment since 2004.

Since its establishment, this company has been able to implement numerous projects in the country and abroad in accordance with the latest international standards in various industries by utilizing experienced staff and combining technical and experimental knowledge.



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Services provided by PADIDEH SHIMI SADRA (Rain) Company

- Designing, consulting and construction of various water purification systems for fish, livestock and poultry breeding centers.
- Designing, consulting and construction of water purification and central filtration systems in residential complexes.
- Designing, consulting, manufacturing and supporting all kinds of water and wastewater treatment systems for industries and factories.
- Designing, consulting, building and setting up all kinds of chemical, sanitary and food production lines.
- Designing, consulting, building and setting up all kinds of mineral water and fruit juice.
- Designing, consulting, implementing and providing services and equipment for water recreation centers (swimming pools) and health centers.
- Designing, consulting, manufacturing and setting up all kinds of distilled, deionized and ultrapure water production systems.
- Consulting, planning and production of all kinds of biological and chemical fertilizers related to the agricultural industry.



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Providing services and support by Padideh Shimi Sadra Company (Rain)

Padideh Shimi Sadra Company (Rain), as a supplier and importer of chemicals and various modern equipment related to water and industrial wastewater treatment plants, is ready to cooperate and provide services to all centers and industries. Some of these chemicals and equipment are as follows:

- Types of filters, membranes, tanks and pumps
- Ozone and disinfectant devices
- Types of antiscalants
- Acids, biocides, chlorine, sodium metabisulfite
- Silica and descaler
- Activated carbon



Relying on knowledge and experience, Rain company has the ability to manufacture water purification devices for fresh, salt and sea water with a capacity of at least 5000 liters.



Some of the industrial water and wastewater treatment devices of Rain Company

- Reverse Osmosis (RO) System

In this system, water is pressurized through a semi-permeable membrane to produce purified water. This process removes solids and impurities from the water and is ideal for areas with hard water that is full of salts.

- Ultrapure water production device using deionization method

Deionization can produce ion-free water and is used in various industries such as dyeing, electroplating, pharmaceutical, food, health and medical (blood dialysis machine, serum production and distilled water)

- Electrodeionization device (EDI)

In electrodeionization, industrial water with very high purity can be obtained and used in cases such as chemical production processes, laboratory uses, pure water supply for washing electronic parts, cosmetic and sanitary industries, and power plants.

- Electrodialysis Reversal (EDR) System

This system is one of the best membrane methods that separates ions and is used to improve the quality of industrial wastewater and remove ions from them, as well as to produce salt concentrate from seawater.

- Ultrafiltration Filters (UF)

Ultrafilters are made in various capacities and capabilities and are used in chemical industries, automobile production, food industries, etc. The most common use of this device is to remove suspended substances in liquids.

- Nanofiltration (NF) System

A nanofiltration system is a type of membrane method that is generally used to remove water salts, suspended solids, and bacteria. This device can replace the reverse osmosis device in some cases.



RO



Deionization



EDI



EDR



UF



NF