

# Reverse Osmosis

The product line represents a unique approach to providing custom-built desalination and water treatment solutions at “standard product” prices. This line includes a number of modular water treatment systems (modules) that may be used standalone or in various combinations to meet the requirements of a wide range of water treatment applications. This flexibility lowers engineering cost and provides customers with cost-effective, yet technically effective solutions. The products are available for either brackish water desalination (generally up to 2,500 ppm TDS) or seawater desalination (generally up to 40,000 ppm TDS). The product is suitable for a number of applications, including:

- Seawater Desalination
- Brackish Water Desalination
- Wastewater Reuse
- High Purity Water Production

The product incorporates a number of features that make it a cost-effective way to produce pure water from seawater, brackish water, and many other water sources requiring high performance treatment.

## **State-of-the-Art Technology**

The desalination systems feature state-of-the-art technologies to provide a high quality product at the lowest possible cost. The seawater systems utilize CNP pumps which are some of the most efficient high pressure pumps available. These systems use only high quality thin film membrane elements from manufacturers such as Dow Filmtec, Hydranautics, and Toray. All systems include a modern microprocessor control system which includes electronic sensors for flow, pressure, and water quality along with an optional color touchscreen operator interface. The state-of-the-art control system ensures safe and efficient operation of the system, even while unattended.

## **Technical Support and Training**

All of our systems are supported by a well-trained and highly experienced group of technical and administrative professionals. Whether by email, telephone, or an on-site visit, acura's staff is dedicated to supporting each and every product manufactured by us.

