

## WATER CONDITIONING

**Chem-Quip**™ specializes in supplying commercial grade water conditioning systems. Our aim is to design and supply systems with the customer at the centre. Each system is designed around three key factors;

- i. *To produce the desired water quality standards,*
- ii. *To manage the water volume and flow demand and*
- iii. *Consideration of capital budgets.*

### **Water Softening**

All water softeners are not built equal. Commercial water softeners have many important variables that can impact upon performance, capital and operational costs. From the ion-exchange resins, the valves, the circuits, to the nuts and bolts can have significant implications for performance.

Several failures in water softener design occur when softeners are not designed correctly for total demand, pressures, flows and other important operating factors.

**Chem-Quip**™ commercial water softeners are available in various sizes in steel and fibreglass options, a variety of controls and valve mechanisms and the most advanced industrial grade resin technologies available to meet the most complex water softening requirements.

### **Water Filtration & Grey Water Systems**

Industrial water filtration applications require the removal and filtration of suspended solids from contaminated source water. The purification of water for brewing, distilling and the manufacture of food products are very important to quality assurance.

**Chem-Quip**™ offers a wide range of water treatment filtration equipment and systems including vessels, media, and media (*including activated carbon adsorption media*) exchange services to handle a variety of industrial water treatment operations.

Grey-water Treatment and recycling is an important way to significantly reduce 'wash' water usage. These systems can result in significant savings on water costs, and also in environmental costs by maximizing water use and reuse.

Greywater has several uses, both lightly and heavily filtered. It can be safely used for, showering, laundry, toilets, washing dishes, watering flowers and for irrigation. Greywater makes up between 60-80% of all residential wastewater.

**Chem-Quip**™ engineers are ready to work with you to explore filtration and grey-water treatment opportunities in new construction projects or adding grey-water treatment to your existing system.