



## Residential and Commercial Building Services

**aqualics**  
Complete Water Solutions

**aquathermicss**

**xylem**  
Let's Solve Water

**AC Smith**<sup>TM</sup>  
Innovation has a Name

# Introduction

**Aquatics** offers a variety of water solutions with specialised interest in pumps, systems and accessories for pressure boosters, agricultural and irrigation applications, HVAC systems, boiler controls, flood control and fire protection, wastewater and drainage pumps, secondary biologic treatment, disinfection, and media and membrane filtration. **Aquatics** is the distributor for **Xylem**, a global water leader and the world's largest supplier of pumps and systems to transport, treat and control water and other fluids.

**Aquathermicss** is the distributor for **A.O. Smith** which is the industry leader in water heating and the best selection for high efficiency water heaters. Backed by 70 years of proven technological advances A. O. Smith India has created a stylish design with features demanded by the Indian consumer and successfully marketed a range of domestic water heaters that in a short period of time have become the most trusted brand in it's category.

We constantly look forward to working hand in hand with you, anticipating your evolving water supply, water heating and pumping needs, and responding to them with the most advanced and reliable products, services and solutions.

## Product Range

### Booster Systems

#### Single Pump Booster System

Small built-in pressure boosters that are fully automatic. The units are fully assembled and ready to be connected to the water system.

#### Multi-Pump Booster System

Wide range of 2-6 pumps controlled by pressure switches or pressure transmitters, with constant or variable speed operation. The range has been designed to supply water to users on an intermittent or variable basis.

#### Applications

- Pressure Boosting in water system for Domestic use, Lawn, Sprinkling and Washing.
- Water supply to Apartment and Office Buildings, Hotels, Shopping Centre, Factories & Green Houses.
- Water supply for Agricultural use (Irrigation systems).
- Water supply for Washing & Heating Systems.
- Water supply to General Industry.



### SCUBA / GS Series

Multi-stage submersible centrifugal pumps for clean water, with the majority of components in AISI 304 stainless steel. Double mechanical seal system with oil chamber. The liquid end is located underneath the electric motor which is cooled by the pumped liquid. The pump is directly inserted in the tank or well to avoid suctions problems and noise. Can also operate in a horizontal position.

#### Applications

- |                      |                 |
|----------------------|-----------------|
| • Water supply       | • Fire-fighting |
| • Irrigation systems | • Fountains     |
| • Pressure boosting  | • Borewells     |



### Hot Water Circulation

#### ECOCIRC SERIES

In-line wet rotor circulators for water circulation in solar systems, fixed speed with manual adjustment.

#### AUTOCIRC

The Auto-circ is the most efficient system, turning on only when the system needs to be replenished with hot water. The pump is installed under the sink farthest from the water heater where hot water takes the longest to arrive. No recirculation line is required.



### Application

- Circulation of hot water

### Key Benefits

- Highly efficient ECM technology
- Long lasting, silent operation
- Saves thousands of gallons of water
- Resistant to scale build up
- No shaft, no seal
- Maintenance free without blockage
- Single bearing design



## Dewatering

### DOC/DIWA/DOMO/DL/STEADY FLYGT 1300 SERIES

Submersible pumps for clean and solid laden wastewater.

### Applications

- Pumping of sewage with suspended solids and filaments
- Draining of septic tanks, sumps, rainwater and wastewater discharge tanks
- Emergency draining in flooded areas

### Key benefits:

- Pumping capacities from 5 to 55 m up to 1 to 500 l/s
- Non-clogging impeller
- Patented Spin-Out™ design expels abrasive particles from the seal chamber
- Substantial savings on maintenance and energy costs



## Rain Perfect

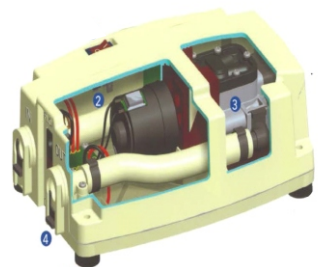
**The Rain Perfect pump and solar panel install easily and provide plenty of pressure to run water through a garden hose.** The pump provides enough pressure to run most low pressure sprinklers, wash a car or water just about anything around your home. A convenient solar panel captures natural energy from the sun eliminating the need for electrical power to charge the battery. This makes the Rain Perfect pump ready to go anywhere, anytime and involves no additional utility cost for you.



## Bottled Water System

### FEATURES/APPLICATIONS

- Compact Size for Easy Mounting
- I. Universal Seal Cap
- II. Easy Mounting
- Easy to use – New quick connect port fittings allow for fast installation and replacement of suction and discharge tubing.
- Used for Home & Commercial Appliances
- I. Tea/Coffee Machines
- II. Ice Makers, Refrigerators



## Centralised Gas Water Heater

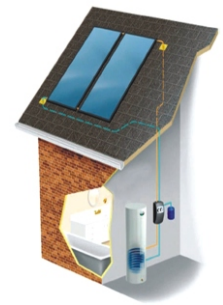
Indoor household central gas water heater

- Economic & efficient operation
- Glass-lined tank
- Fully automatic spark ignition
- Safety protection system



## Sun - Solar Water Heating System

The SUN Solar Water Heating System utilizes energy from the sun to provide hot water. Solar heating systems are composed of solar thermal collectors installed on roof facing sun. The sun heats up the thermic fluid flowing through the solar collectors, which is pumped to the inbuilt heat exchanger within the solar tank, where the heat energy is transferred to the water inside the storage tank. The greater the volume of the tank and number of panels that are incorporated into the system, the more energy that can be captured from the sun.



## Air to Water Heating System

### HPW – Commercial Electric Heat Pump Water Heaters, Air-to-Water

- The Air to Water Heater is an advanced and innovative product that generates heat from the environment. It is a clean and efficient use of free energy source to provide hot water.
- It uses very little energy. Saves up to 4 times of electricity compared to electric water heaters.
- Based on reliable and well proven technology, A.O. Smith Air to Water Heaters work all year round, day and night, and are more convenient and more reliable than Solar water heaters to produce large quantity of hot water at very low cost.
- It has in-built intelligent functions and all operations are automatic and comes with a corded remote and LCD touchpad display.

#### Application

- Commercial : Restaurant/Kitchens
- Institutional : Hospitals
- Military : Barracks
- Municipal : Fire Stations
- Industrial : Commercial Laundry Facility



## COMBINATION

- A.O. Smith has made another innovation by providing Combinations in Water Heaters
- Solar water heating system with Gas heater
- Solar water heating system with Air2Water Heating System
- Air2Water heating with electric or gas



## WATER SOFTNER

- 'AQUA' series water softeners are used for reducing hardness-forming calcium and magnesium ions by exchanging them with soluble sodium ions. The hard water is passed through a strong cat-ion exchange resin bed. The hardness from water is exchanged to produce soft water. At the end of each service cycle 'AQUA' series are designed on Counter Current Regeneration technique, an advanced softening technique developed to treat large volumes of hard water.
- Available in Manual as well as Automatic Operations.



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