



► Aqua Hygia

Sanitary Hot Water Module



Aqua Hygia

Sondex AquaHygia is designed for high volumes of sanitary water in public buildings. The Sondex AquaHygia is one of the new generations of hot water modules integrating high quality and high performance components. It allows contractors and HVAC operating companies a compact monoblock which ensures an excellent energy return of the hot sanitary water.

Application Areas

The Sondex AquaHygia is designed for public buildings such as hotels, hospitals, schools, sports centers and swimming pools, where high volumes of sanitary water are required.

Design and new generation components

The new generation design is optimized with a low consumption Eco-label pump and a low consumption 3-way ball valve which ensures accurate regulation on the secondary circuit.

AquaHygia and AquaHydra are composed of:

Sondex high performance gasket heat exchangers with plates in 316 stainless steel. High quality motorized 3-way seat or ball valve. Intuitive and hyper-communicating controller, PT1000 high speed and high precision temperature sensor and IP65 electric box. A fully demountable frame with anti corrosion painting.

Options

- Double wall plates
- Class A Eco label pump
- Standby pump
- Energy Saver
- Anti fouling program
- Shut off valve
- High quality aluminium demountable insulation casing
- Recycling/charge pump
- Accumulation tank

Design Principle

The heat of a primary circuit is transferred into tap water in order to produce sanitary hot water. The flow is maintained constant on the primary side thanks to a pump and a 3-way valve mounted in mixing mode.

A sensor on the secondary return controls the temperature of sanitary hot water and acts on the 3-way valve of the primary side. This design ensures that a constant temperature of the hot water side will be retained.