



Products used in commercial and multi-family residential projects designed for central heating and plumbing equipment projects

\*For other residential designs see HSC Residential product offering

\*For All-Electric applications see [Allelectrichomesolutions.com](http://Allelectrichomesolutions.com)

## Commercial Mechanical and Plumbing Products Rev 06.06.2023

### Heat Pumps and Air Handlers

#### Heat Pumps

**Chiltrix: Air to water heat pumps.** CX34 & CX50 models available with up to 59,000 BTU/hr. heating capacity. The world's most efficient heat pump; for space heating, cooling, and DHW. [Link to CX34 Chiltrix.com](http://Link to CX34 Chiltrix.com) [Link to CX50 PDF](http://Link to CX50 PDF).

**RBI HP-275:** Inverter Commercial air-to-water heat pump for space conditioning and domestic hot water. Stocked at the factory, competitive pricing. [RBI water heaters](http://RBI water heaters)

**Vaughn:** Heat Pump Domestic Water Heaters with electric resistance coil backup. [vaughncorp.com](http://vaughncorp.com)

#### Air Handlers

**ESP:** HiVelocity air handlers. For home and office – very energy efficient. [hi-velocity.com](http://hi-velocity.com)

**ESP:** LoVelocity air handlers. For home and office – very energy efficient. [hi-velocity.com](http://hi-velocity.com)

**ESP Heps:** Air Purification system that is commercial/hospital quality available for home and office. Ducted systems or portable. Three stages of Air Purification: Merv13 for particulate; UVC lamps to neutralize Virus', bacteria, mold, fungi; PRO-Cell Panel titanium eliminates VOC's and odors. [hi-velocity.com](http://hi-velocity.com)

### Mechanical - Gas Fired Boilers

#### Hydronic Boilers

**HTP Elite XL:** Condensing Hydronic, 97% efficient, 399 MBH to 2,000 MBH capacities, 10:1 turndown, no minimum flow requirements. Indoor and outdoor applications. [htproducts.com](http://htproducts.com)

**U.S. Boiler:** Commercial Citadel boilers up to 1.5 million BTU's, DHW and Hydronic heating. Indoor and outdoor, stackable. [usboiler.net/Citadel](http://usboiler.net/Citadel)

**Alta:** 120, 150, 180 MBTU capacities. Condensing hydronic boilers. [usboiler.net](http://usboiler.net)

**Alpine boiler series:** Hydronic Only. From 80 MBTU to 800 MBTU. Configured to be the easiest boiler to install. Boiler comes with Double Stack clips to provide up to 1.6 MBTU capacity. Best replacement for the Munchkin. [usboiler.net](http://usboiler.net)

**Aspen fire-tube series:** Hydronic Only: 80 MBTU to 399 MBTU. [usboiler.net](http://usboiler.net)

#### Steam Boilers

**US Boilers (Burnham):** SteamMax & Independence, gas fired steam boilers, cast iron heat exchanger. [usboiler.net](http://usboiler.net)

#### Combi Boilers

**Alta combi:** 136/200 MBTU's, The world's FIRST & ONLY 10:1, gas-adaptive (self-tuning), combi boiler! [usboiler.net](http://usboiler.net)

### Pumps and Circulators

#### Circulators

**AquaMotion:** Super-efficient, eco-friendly, ECM pumps, circulators & recirculation systems. Very easy to install and maintain. [aquamotionhvac.com](http://aquamotionhvac.com)

#### Commercial Pumps

**Wilo:** Commercial end suction base mounted, vertical inline pumps, ECM, VFD. Hydronic & DHW. [wilo-usa.com](http://wilo-usa.com)

### Controls

#### Controls

**HBX Control Systems:** WiFi thermostats. Whole house control, boiler staging control, radiant floor, and heat pump controls. [hbxccontrols.com](http://hbxccontrols.com)

**Loxone:** Home automation and building management systems. Widely used globally since 2009, it can control everything; HVAC, lighting, sound, and alarms with state of the art and future technologies for today's home or commercial building. They have 600 certified installers in the USA. [Loxone](http://Loxone)



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**Taco:** Zone controls and switching relays. In the search window, put “switching relays. [taco-hvac.com](http://taco-hvac.com)

#### Metering

**HBX Control Systems:** BTU, Temperature, Flow and Pressure metering systems, WiFi retrieval of data for billing. [hbxcontrols.com](http://hbxcontrols.com)

## Specialties

#### Accessories

**Taco:** Vents, tempering valves, pressure reducing valves. Zone valve hydronic & geothermal zone valves. [taco-hvac.com](http://taco-hvac.com)

**Elbi of America:** Expansion tanks ASME and non-Code, Air Separators, Suction Diffusers, Triple Duty Valves commercial hydronic accessories. [elbi.net](http://elbi.net)

**Miljoco:** Temperature and pressure gauges. [miljoco.com](http://miljoco.com)

**Tunstall:** Steam traps and hydronic balancing valves. [tunstall-inc.com](http://tunstall-inc.com)

#### Circulators

**AquaMotion:** Super-efficient, eco-friendly, pumps, circulators & recirculation systems. Very easy to install and maintain. [aquamotionhvac.com](http://aquamotionhvac.com)

#### Heat Exchanger

**SWEP:** Brazed plate heat exchangers, single and double wall options. [swep.net](http://swep.net)

**Plate Concepts:** Plate and frame heat exchangers. [plateconcepts.com](http://plateconcepts.com)

## Hydronic Distribution Systems

#### Radiant Heating

**Thermalboard:** Above subfloor radiant transfer system. 5/8” tall composite plywood radiant floor with aluminum heat transfer, grooved out to 8” on center, using 3/8” tubing. [thermalboard.info](http://thermalboard.info)

**Therma-Hexx:** Therma-Hexx radiant heating and cooling ceiling panels. The ultimate in quiet comfort indoor space conditioning. [Therma-hexx.com](http://Therma-hexx.com)

**Heatlink:** Hydronic and potable Pex A tubing up to 2” and pre-insulated PEX. Includes all necessary manifolds, accessories, and fittings. [heatlink.com](http://heatlink.com)

#### Radiant Insulation

**NOFP:** Easy-to-install flexible foam insulation for hydronic radiant systems. [nofp.com](http://nofp.com)

**rFoil:** Easy to install roll out reflective radiant insulating materials. [Rfoil.com](http://Rfoil.com)

#### Fan Convectors

**Myson RCU:** Recess wall-mounted with flow and zone control-built in. [mysoncomfort.com](http://mysoncomfort.com)

**Chiltrix:** CXI wall and ceiling mounted heating and cooling fan coils. [chiltrix.com](http://chiltrix.com)

**Smith Environmental:** Kickspace, Underfloor, Wall hot water fan convectors. [smithsep.com](http://smithsep.com)

**Jaga:** Recessed wall, ceiling, and floor heating and cooling units. [jaga-usa.com](http://jaga-usa.com)

#### Radiators

**Smith Environmental:** Select style panel radiators. [smithsep.com](http://smithsep.com)

**Jaga:** Décor radiators. [jaga-usa.com](http://jaga-usa.com)

**Burnham:** Cast Iron Radiators [usboiler.net](http://usboiler.net)



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**Myson:** Décor and Select style radiators. [mysoncomfort.com](http://mysoncomfort.com)

#### Baseboards

**Jaga:** Convector for residential and multi-family applications. Wall mounted electric resistance heaters. [jaga-usa.com](http://jaga-usa.com)

**Heating Edge/Hawkstone:** Baseboard heating products. [Heating Edge](http://Heating Edge)

## Plumbing - Electric Water Heaters

#### Tank-type water heater

**Elbi:** Commercial, vertical, round electric-power ASME water heaters [elbi.net](http://elbi.net)

**Vaughn:** Commercial non-ASME water heaters, hybrid heat pump water heater. [vaughncorp.com](http://vaughncorp.com)

#### Point-of-Use Instantaneous

**AEHS:** Tankless, water heaters for point-of-use. [AEHS](http://AEHS)

#### Emergency Shower and Eyewash

**AEHS:** Electric tepid water heaters. [AEHS](http://AEHS)

## Plumbing - Gas Fired DHW Heaters

#### Water Heaters

**HTP Elite XL VHW:** Condensing water heaters, 98% efficient, 399 MBH to 2,000 MBH capacities, 10:1 turndown, no minimum flow requirements. Indoor & outdoor applications. [htproducts.com](http://htproducts.com)

**HTP Elite VHW Premier:** Condensing volume water heater, 98% efficient, 220 MBH to 399 MBH capacities, 10:1 turndown, no minimum flow requirements. Indoor only. [htproducts.com](http://htproducts.com)

#### Combi Boilers

**Alta combi:** 136/200 MBTU's, The world's FIRST & ONLY 10:1, gas-adaptive (self-tuning), combi boiler! [usboiler.net](http://usboiler.net)

**Aspen fire-tube series:** 155 MBTU combi boiler. [usboiler.net](http://usboiler.net)

#### Tankless

**Vesta:** Hybrid Water Heater, VH-199. Commercial condensing gas tankless water heater, 5 to 1 turndown fire, .91 UEF ratings, 199,000 btu/hr. capacity, fire tube design which makes it less vulnerable to scaling. It contains a 3 gal. S.S. storage tank helping to prevent cold water sandwiching. [vestahws.com](http://vestahws.com)

## Pressure Booster Systems

#### Pressure Booster Systems

**Canariis:** A wide range of domestic water pressure booster systems Custom Skid packaging. [canariis.com](http://canariis.com)

**Wilo:** Efficient pressure management from the waterworks to the consumer. [wilo-usa.com](http://wilo-usa.com)

## Pumps and Circulators

#### Circulators

**AquaMotion:** Super-efficient, eco-friendly, ECM pumps, circulators & recirculation systems. Very easy to install and maintain. Largest selection of on-demand systems for DHW savings. [aquamotionhvac.com](http://aquamotionhvac.com)

#### Commercial

**Wilo:** Commercial end suction base mounted, vertical inline, ECM, DHW pumps. [wilo-usa.com](http://wilo-usa.com)



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## Sump and Sewage Ejectors

**Aqua-pro Pump Systems:** Sump and Sewage pumps, controls, vault, floats packaged systems. [aquapropumpsystems.com](http://aquapropumpsystems.com)

## Storage Tanks, Buffer Tanks and Pressure Vessels

### Storage Tanks and Pressure Vessels

**Elbi NTA series:** Glass lined storage tanks. 80, 120, 200-gallon stock tanks, custom tank to 5,000 gallons [elbi.net](http://elbi.net)

**Elbi:** ASME storage tanks, expansion tanks, hydropneumatic tanks, buffer tanks, chilled water tanks -all varieties of pressure vessels. [elbi.net](http://elbi.net)

**Vaughn:** Non-ASME Storage tanks indirect water heaters, Buffer tanks sizes from 10 gallons to 119 gallons. [vaughncorp.com](http://vaughncorp.com)

**Alliance SL:** Stone-lined, 27-to-70-gallon capacities, indirect tank & coil. [usboiler.net](http://usboiler.net)

**Alliance LT & Vaughn: Featherweight,** Thermoplastic, 30-to-119-gallon capacities, indirect tank & coil. [usboiler.net](http://usboiler.net)

## Mixing Valves

### Mixing Valves

**Paxton:** 3/4" to 3" stainless steel valves for commercial applications. Built-in temperature reset depending on hot water demand. [paxtoncorp.com](http://paxtoncorp.com)

## Solar Hot Water

**Note:** HSC can include all necessary solar specialties to make a complete solar hot water system. This includes controls, drain back tanks and pumps.

**AET:** Solar thermal systems. Flat Plate thermal collectors, controls, tanks, racks systems. [AETsolar.com](http://AETsolar.com)

**SETS:** Solar panel/storage tank package system. [Allelectrichomesolutions.com](http://Allelectrichomesolutions.com)

**Fernox:** Non-Toxic NSF certified propylene glycol. [fernox.com](http://fernox.com)

**Vaughn SLN:** Solar storage tanks. Stainless steel, cement or galvanized, with electric or boiler backup. [vaughncorp.com](http://vaughncorp.com)

## Water Treatment and Chemicals

### Water Treatment

**Fernox:** Hydronic non-toxic chemicals, and open loop exchanger cleaning chemicals. Propylene glycol, non-toxic. [fernox.com](http://fernox.com)

**Therma-Hexx:** Therma-Hexx radiant heating and cooling ceiling panels. The ultimate in quiet comfort indoor space conditioning. [Therma-hexx.com](http://Therma-hexx.com)

**GTP:** Industrial hydronic feeder systems. [gtpcompany.com/industrial](http://gtpcompany.com/industrial)

**JJM:** Condensate neutralizers, residential and Commercial. [jjmboilerworks.com](http://jjmboilerworks.com).

**Atlas Filtri:** Atlas Filtri® PP4FOS are stainless steel high flow filtration systems for the reduction of sediment and scale in commercial water heater and tankless heating system applications. [atlasfiltri](http://atlasfiltri)



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