



Products used in single family residential, and in multi-family projects where each residence has its own mechanical and plumbing system.

\*For commercial designs see HSC commercial product offering.

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

## Residential Mechanical and Plumbing Products Rev 06.06.23

### 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 and LoVelocity air handlers. [hi-velocity.com](http://hi-velocity.com)

**ESP Hi-Velocity:** 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)

**ESP Lo-Velocity:** LoV water to air ducted air handler heating and cooling. [hi-velocity.com](http://hi-velocity.com)

### Mechanical – Gas Fired Boilers

#### Hydronic Boilers

**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)

**U.S. Boiler (Burnham):** Residential, light commercial hydronic heating boilers. Firetube and water tube boilers that are quiet and feature the intuitive Sage control system. [usboiler.net](http://usboiler.net)

**Alpine boiler series:** Floor Mounted or Wall, 85 MBTU to 399 MBTU. Configured to be the easiest boiler replacement for the Munchkin. [usboiler.net](http://usboiler.net)

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

**Aspen Fire-Tube series:** Wall Hung 80 MBTU to 399 MBTU boilers (optional floor stand). [usboiler.net](http://usboiler.net)

#### Combi Boilers

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

**Aspen Fire-Tube series:** Has a 155 MBTU combi boiler. [usboiler.net](http://usboiler.net)

#### Pumps

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

### Controls

#### Controls

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

**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. [tacocomfort.com](http://tacocomfort.com) In the search window, put “switching relays”

## Hydronic Specialties

### Hydronic Accessories

**Taco:** Vents, tempering valves, pressure reducing valves. Zone valve hydronic & geothermal zone valves. [tacocomfort.com](http://tacocomfort.com) Use the Search box to locate these specific items.

**Elbi of America:** Expansion tanks non-Code, residential hydronic accessories. [elbi.net](http://elbi.net)

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

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

### Buffer Tanks

**Boiler Buddy:** Buffer tank. [boilerbuddy.com](http://boilerbuddy.com)

**Chiltrix:** Stainless steel buffer tanks. [Chiltrix.com](http://Chiltrix.com)

**Vaughn:** Buffer tank. [vaughncorp.com](http://vaughncorp.com)

### Circulators

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

### Heat Exchanger

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

### Radiant Heating

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

**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)

**PHP:** Package hydronic manifolds. [www.phpinc.us](http://www.phpinc.us)

### 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 material. [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)

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

**Smith:** Kickspace, wall units, hot & chilled water fan convectors. [smithsep.com](http://smithsep.com)

### Convectors

**Jaga:** Continuo, Tempo, and Strata convectors. [jaga-usa.com](http://jaga-usa.com)

### Radiators

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

**Burnham:** Cast iron radiators. [usboiler.net](http://usboiler.net)

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



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

#### Baseboards

**Heating Edge/Hawkstone:** Low Temp, high output residential baseboard. [Smithsep.com](http://Smithsep.com)

**Embassy:** Cost competitive, residential baseboard radiation. [Embassyind.com](http://Embassyind.com) Click into the 3-bar icon at the top right of the opening page.

## Plumbing

#### Electric Water Heater

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

**AEHS:** Point-of-use electric instantaneous water heaters. [allelectrichomesolutions.com](http://allelectrichomesolutions.com)

#### Mixing/Tempering Valves

**Paxton:** 3/4" to 1" stainless steel valves for residential applications. [Mixing\\_Valves\\_ESBE.pdf](#)

#### Tankless

**Vesta:** Revolution Water Heater. High efficiency gas tankless water heater, 5 to 1 turndown modulation, VRP-150/199, VRS-150/199. VRP has built-in circulation pump. [vestahws.com](http://vestahws.com).

#### Storage Tanks & Pressure Vessels

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

**Vaughn:** Storage tanks. [vaughncorp.com](http://vaughncorp.com)

#### Indirect Water Heaters

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

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

#### Pressure Booster

**AquaMotion:** Aqua-Max, 30psi boost, plug and play. [aquamotionhvac.com](http://aquamotionhvac.com)

#### Sump and Sewage Ejectors

**Aqua-pro Pump Systems:** [aquapropumpsystems.com](http://aquapropumpsystems.com)

#### Pumps

**AquaMotion:** S.S circulation pumps. Building circulators. [aquamotionhvac.com](http://aquamotionhvac.com)

#### On-Call Recirc. Systems

**AquaMotion:** On demand buttons, motion sensors and receivers, bypass valves. Largest selection of on-demand systems available. [aquamotionhvac.com](http://aquamotionhvac.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:** Flat Plate Thermal Collectors and Systems, inclusive of racking, controls exchangers, tanks. [AETsolar.com](http://AETsolar.com)

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

**AquaMotion:** S.S circulation pumps. [aquamotionhvac.com](http://aquamotionhvac.com)

**HBX:** Solar controls [hbxcontrols.com](http://hbxcontrols.com)

## Water Treatment Chemicals

#### Water Treatment

**Fernox:** Hydronic nontoxic chemicals, and open loop exchanger cleaning chemicals. Non-Toxic NSF certified propylene glycol. [fernox.com](http://fernox.com)

**Aalberts-HFC:** Hydraulic separators, air/dirt separators, mag filters, hydronic water treatment (water conditioning, cleaning, anti-freeze). [Aalberts-HFC](http://Aalberts-HFC)



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**GTP:** Residential hydronic feeder systems. [gtpcompany.com/residential-glycol.html](http://gtpcompany.com/residential-glycol.html)

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

**Atlas Filtri:** Atlas Filtri® DP Big Sediment, Taste, Odor and Scale Reduction unit is a point-of-entry water filtration system for the whole house. Designed to reduce sediment, taste, color, odor and lime scale build up in high flow whole house applications. [atlasfiltri](http://atlasfiltri)