



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 06.19.23

### 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)

#### Air Handlers

**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:** 80, 120, 150, 180 MBTU capacities, hydronic boilers. Gas adaptive, super quiet. Easy to install and service. [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)

#### 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. [hbxcontrols.com](http://hbxcontrols.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)

**Taco:** Zone controls and switching relays. [tacocomfort.com](http://tacocomfort.com)  
(In the search window, put "switching relays")



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## Hydronic Specialties

<b>Hydronic Accessories</b>	<p><b>Flamco:</b> High-capacity air and dirt eliminators and vents, hydraulic separators, expansion tank brackets, pressure reducing valves. <a href="http://Flamco">Flamco</a></p> <p><b>Elbi of America:</b> Expansion tanks non-Code, residential hydronic accessories. <a href="http://elbi.net">elbi.net</a></p> <p><b>Tunstall Steam:</b> Steam traps and hydronic steam accessories. <a href="http://tunstall-inc.com">tunstall-inc.com</a></p> <p><b>Miljoco:</b> Temperature and pressure gauges. <a href="http://miljoco.com">miljoco.com</a></p>
<b>Buffer Tanks</b>	<p><b>Chiltrix:</b> Stainless steel buffer tanks. <a href="http://Chiltrix.com">Chiltrix.com</a></p> <p><b>Boiler Buddy:</b> Buffer tank. <a href="http://boilerbuddy.com">boilerbuddy.com</a></p>
<b>Circulators</b>	<p><b>AquaMotion:</b> Super-efficient, eco-friendly, ECM and standard pumps, circulators &amp; recirculation systems. Very easy to install and maintain. Largest selection of on-demand systems for DHW savings. <a href="http://aquamotionhvac.com">aquamotionhvac.com</a></p>
<b>Heat Exchanger</b>	<p><b>SWEP:</b> Brazed plate heat exchangers, single and double wall options. <a href="http://swep.net">swep.net</a></p>
<b>Radiant Heating</b>	<p><b>Thermalboard:</b> 5/8" tall composite plywood radiant floor with aluminum heat transfer, grooved out to 8" on center, using 3/8" tubing. <a href="http://thermalboard">thermalboard</a></p> <p><b>Therma-Hexx:</b> Therma-Hexx radiant heating and cooling ceiling panels. The ultimate in quiet comfort indoor space conditioning. <a href="http://Therma-hexx.com">Therma-hexx.com</a></p> <p><b>Heatlink:</b> Hydronic and potable Pex A tubing up to 2" and pre-insulated PEX. Includes all necessary manifolds, accessories, and fittings. <a href="http://heatlink.com">heatlink.com</a></p>
<b>Radiant Insulation</b>	<p><b>NOFP:</b> Easy-to-install flexible foam insulation for hydronic radiant systems. <a href="http://nofp.com">nofp.com</a></p> <p><b>rFoil:</b> Easy to install roll out reflective radiant insulating material. <a href="http://rfoil.com">rfoil.com</a></p>
<b>Fan Convectors</b>	<p><b>Jaga:</b> Quiet, recessed custom home wall, ceiling and floor heating and cooling units. <a href="http://jaga-usa.com">jaga-usa.com</a></p> <p><b>Chiltrix:</b> CXI wall and ceiling mounted heating and cooling fan coils. <a href="http://Chiltrix.com">Chiltrix.com</a></p> <p><b>Smith:</b> Kickspace, wall units, hot &amp; chilled water fan convectors. <a href="http://smithsep.com">smithsep.com</a></p> <p><b>Myson RCU:</b> Recess wall-mounted with flow and zone control built in. <a href="http://mysoncomfort.com">mysoncomfort.com</a></p>
<b>Convectors</b>	<p><b>Jaga:</b> Continuo, Tempo, and Strata convectors. <a href="http://jaga-usa.com">jaga-usa.com</a></p>
<b>Radiators</b>	<p><b>Jaga:</b> Décor Radiators. <a href="http://jaga-usa.com">jaga-usa.com</a></p> <p><b>Burnham:</b> Cast iron radiators. <a href="http://usboiler.net">usboiler.net</a></p> <p><b>Smith:</b> Select style panel radiators. <a href="http://Smithsep.com">Smithsep.com</a></p> <p><b>Myson:</b> Décor and Select style radiators. <a href="http://mysoncomfort.com">mysoncomfort.com</a></p>
<b>Baseboards</b>	<p><b>Heating Edge/Hawkstone:</b> Low Temp, high output residential baseboard. <a href="http://Smithsep.com">Smithsep.com</a></p> <p><b>Embassy:</b> Cost competitive, residential baseboard radiation. <a href="http://Embassyind.com">Embassyind.com</a> Click into the 3-bar icon at the top right of the opening page.</p>



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## Plumbing

<b>Electric Water Heater</b>	<b>Vaughn:</b> Heat Pump Domestic Water Heaters with electric resistance coil backup. <a href="http://vaughncorp.com">vaughncorp.com</a> <b>AEHS:</b> Point-of-use electric instantaneous water heaters. <a href="http://allelectrichomesolutions.com">allelectrichomesolutions.com</a>
<b>Mixing/Tempering Valves</b>	<b>Paxton:</b> 3/4" to 1" stainless steel valves for residential applications. <a href="#">Mixing_Valves_ESBE.pdf</a>
<b>Tankless</b>	<b>Vesta:</b> 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. <a href="http://vestahws.com">vestahws.com</a> .
<b>Storage Tanks &amp; Pressure Vessels</b>	<b>Elbi NTA series:</b> Glass lined storage tanks. 80, 120, 200-gallon stock tanks. <a href="http://elbi.net">elbi.net</a>
<b>Indirect Water Heaters</b>	<b>Alliance SL:</b> Stone-lined, 27-to-70-gallon capacities, indirect tank & coil. <a href="http://usboiler.net">usboiler.net</a> <b>Alliance LT:</b> Thermoplastic, 30-to-119-gallon capacities, indirect tank & coil. <a href="http://usboiler.net">usboiler.net</a>
<b>Pressure Booster</b>	<b>AquaMotion:</b> Aqua-Max, 30psi boost, plug and play. <a href="http://aquamotionhvac.com">aquamotionhvac.com</a>
<b>Sump and Sewage Ejectors</b>	<b>Aqua-pro Pump Systems:</b> <a href="http://aquapropumpsystems.com">aquapropumpsystems.com</a>
<b>Pumps</b>	<b>AquaMotion:</b> S.S circulation pumps. Building circulators. <a href="http://aquamotionhvac.com">aquamotionhvac.com</a>
<b>On-Call Recirc. Systems</b>	<b>AquaMotion:</b> On demand buttons, motion sensors and receivers, bypass valves. Largest selection of on-demand systems available. <a href="http://aquamotionhvac.com">aquamotionhvac.com</a>

## 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.*

**SETS:** Solar panel/storage tank package system. [Allelectrichomesolutions.com](http://Allelectrichomesolutions.com)  
**AET:** Flat Plate Thermal Collectors and Systems, inclusive of racking, controls exchangers, tanks. [AETsolar.com](http://AETsolar.com)  
**AquaMotion:** S.S circulation pumps. [aquamotionhvac.com](http://aquamotionhvac.com)  
**HBX:** Solar controls [hbxcontrols.com](http://hbxcontrols.com)

## Water Treatment Chemicals

<b>Water Treatment</b>	<b>Sentinel:</b> Hydronic non-toxic chemicals, cleaners and closed loop conditioners. Propylene Glycol anti-freeze. <a href="#">Sentinel</a> <b>Aalberts-HFC:</b> Hydraulic separators, air/dirt separators, mag filters, hydronic water treatment (water conditioning, cleaning, anti-freeze). <a href="#">Aalberts-HFC</a> <b>GTP:</b> Residential hydronic feeder systems. <a href="http://gtpcompany.com/residential-glycol.html">gtpcompany.com/residential-glycol.html</a> <b>JJM:</b> Condensate neutralizers, residential and Commercial. <a href="http://jjmboilerworks.com">jjmboilerworks.com</a> <b>Atlas Filtri:</b> Atlas Filtri® DP Big Sediment, Open Loop, 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. <a href="http://atlasfiltrifiltri">atlasfiltrifiltri</a>
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