



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

Residential Mechanical and Plumbing Products Rev 09.17.2024

Heat Pumps and Air Handlers

Heat Pumps

Chiltrix: Air to water heat pumps. CX35 & 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 CX35 Chiltrix.com Link to CX50 PDF.

LG: Heat Pump Domestic Water Heaters with electric resistance coil backup. 58 and 80 gallon, inverter heat pump, super quiet. Allelectrichomesolutions.com

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

ESP Lo-Velocity: LoV water to air ducted air handler heating and cooling. hi-velocity.com

ESP Lo-Velocity: LoV water to air ducted air handler heating and cooling. hi-velocity.com

Mechanical – Gas Fired Boilers

Hydronic Boilers

Alpine boiler series: Floor Mounted or Wall, 85 MBTU to 399 MBTU. Configured to be the easiest boiler replacement for the Munchkin. usboiler.net

Alta: 120, 150, 180 MBTU capacities, hydronic boilers. usboiler.net

Aspen Fire-Tube series: Wall Hung 80 MBTU to 399 MBTU boilers (optional floor stand). 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

Controls

Controls

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

Taco: Zone controls and switching relays. 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 Use the Search box to locate these specific items.

Elbi of America: Expansion tanks non-Code, residential hydronic accessories. elbi.net

Tunstall Steam: Steam traps and hydronic steam accessories. tunstall-inc.com

Miljoco: Temperature and pressure gauges. miljoco.com

Buffer Tanks

Boiler Buddy: Buffer tank. 30, 50, 80, 119 gallon. boilerbuddy.com

Chiltrix: Stainless steel buffer tanks. 19,37,60 gallon. Chiltrix.com



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

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

Taco: ECM pumps – cast iron and stainless steel. tacocomfort.com

Heat Exchanger

SWEP: Brazed plate heat exchangers, single and double wall options. 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

Therma-Hexx: Therma-Hexx radiant heating and cooling ceiling panels. The ultimate in quiet comfort indoor space conditioning. Therma-hexx.com

Comfort Pro Systems: Comfort Pro Systems is the manufacturer of the most extensive Pex offering, Pex A, B, C and PERT. Their Pex B works with F1960 fittings, and their Pex C is UV resistant. Full offerings of manifolds and radiant accessories. Comfort Pro Systems

Radiant Insulation

Comfort Pro Insulation: R10 Insulated Pex Floor Panel -24" X 48". Designed to provide the most cost-effective installation and performance characteristics for hydronic radiant floor heating systems. Comfort Pro Systems

NOFP: Easy-to-install flexible foam insulation for hydronic radiant systems. nofp.com

rFoil: Easy to install roll out reflective radiant insulating material. rfoil.com

Fan Convectors

Myson RCU: Recess wall-mounted with flow and zone control built in. mysoncomfort.com

Chiltrix: CXI wall and ceiling mounted heating and cooling fan coils. Chiltrix.com

Jaga: Recessed custom home wall, ceiling and floor heating and cooling units. jaga-usa.com

Smith: Kickspace, wall units, hot & chilled water fan convectors. smithsep.com

Convectors

Jaga: Continuo, Tempo, and Strata convectors. jaga-usa.com

Radiators

Jaga: Décor Radiators. jaga-usa.com

Burnham: Cast iron radiators. usboiler.net

Smith: Select style panel radiators. Smithsep.com

Myson: Décor and Select style radiators. mysoncomfort.com

Baseboards

Heating Edge/Hawkstone: Low Temp, high output residential baseboard. Smithsep.com

Embassy: Cost competitive, residential baseboard radiation. Embassyind.com Click into the 3-bar icon at the top right of the opening page.



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

Plumbing

Electric Water Heater	Eco King: Heat Pump Domestic Water Heaters with electric resistance coil backup. Eco-King
	Steibel Eltron: Point-of-use electric instantaneous water heaters. 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 .
Storage Tanks & Pressure Vessels	Elbi NTA series: Glass lined storage tanks. 80, 120, 200-gallon stock tanks. elbi.net
	Eco-King: Storage tanks. Eco-King
Indirect Water Heaters	Alliance SL: Stone-lined, 27-to-70-gallon capacities, indirect tank & coil. usboiler.net
	Alliance LT: Thermoplastic, 30-to-119-gallon capacities, indirect tank & coil. usboiler.net
	Chiltrix: 40, 80, 100 gallon made for heat pumps. Chiltrix.com
Pressure Booster	AquaMotion: Aqua-Max, 30psi boost, plug and play. aquamotionhvac.com
Sump and Sewage Ejectors	Aqua-pro Pump Systems: aquapropumpsystems.com
Pumps	AquaMotion: S.S circulation pumps. Building circulators. 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

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

SETS: Solar panel/storage tank package system. Allelectrichomesolutions.com

AquaMotion: S.S circulation pumps. aquamotionhvac.com



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

Water Treatment Chemicals

Water Treatment

Sentinel: Hydronic non-toxic chemicals, and open loop exchanger cleaning chemicals. Non-Toxic NSF certified propylene glycol. [Sentinel](#)

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

GTP: Residential hydronic feeder systems. gtpcompany.com/residential-glycol.html

Axiom: Residential hydronic feeder systems. [Axiom](#)

JJM: Condensate neutralizers, residential and Commercial. 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](#)