



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 9.2.21

Mechanical

Hydronic Boilers

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

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

K2 Water Tube: Wall Hung, 80 MBTU to 180 MBTU sizes. usboiler.net

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

Combi Boilers

Alta Combi: The world's FIRST & ONLY 10:1, gas-adaptive (self-tuning), combi boiler! usboiler.net

Aspen Fire-Tube series: Has a 155 MBTU combi boiler. usboiler.net

K2 Water Tube: Has a 135 MBTU and a 180 MBTU combi. usboiler.net

Pumps

AquaMotion: Super efficient, eco-friendly, pumps, circulators & recirculation systems. Very easy to install and maintain. 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://HBXcontrolsystems)

Taco: Zone controls and switching relays. tacomfort.com In the search window, put "switching relays"

Specialties

Accessories

Taco: Vents, tempering valves, pressure reducing valves. Zone valve hydronic & geothermal zone valves. tacomfort.com Use the Search box to locate these specific items.

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

Tunstall: Steam traps and hydronic balancing valves. tunstall-inc.com

Miljoco: Temperature and pressure gauges. miljoco.com

Buffer Tanks

Boiler Buddy: Buffer tank. boilerbuddy.com

Vaughn: Buffer tank. vaughncorp.com

Circulators

AquaMotion: Super efficient, eco-friendly, pumps, circulators & recirculation systems. Very easy to install and maintain. aquamotionhvac.com

Heat Exchanger

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



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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.com)

MrPex: Hydronic and potable Pex A tubing up to 2" and pre-insulated PEX. Includes all necessary manifolds, accessories, and fittings. mrpexsystems.com

PHP: Package hydronic manifolds. www.phpinc.us

Radiant Insulation

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

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

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.

Plumbing

Electric Water Heater

Vaughn: Residential electric and hybrid heat pump water heaters. vaughncorp.com

AEHS: Point-of-use electric instantaneous water heaters. allelectrichomesolutions.com

Mixing/Tempering Valves

Paxton: 3/4" to 1" stainless steel valves for residential applications.
http://www.2hsc.com/data/uploads/Residential_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

Vaughn: Storage tanks. vaughncorp.com

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



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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. aquamotionhvac.com
On-Call Recirc. Systems	AquaMotion: On demand buttons, motion sensors and receivers, bypass valves. aquamotionhvac.com

Heat Pumps and Air Handlers

Heat Pumps	Chiltrix: The worlds most efficient heat pump for space heating, cooling and DHW. chiltrix.com
	Vaughn: Heat pumps with electric backup. vaughncorp.com
	Spacepak: Hydronic heating and cooling. spacepak.com
Air Handlers	ESP: HiVelocity and LoVelocity air handlers. 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
	ESP Lo-Velocity: LoV water to air ducted air handler heating and cooling. hi-velocity.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
AquaMotion: S.S circulation pumps. aquamotionhvac.com
HBX: Solar controls hbxcontrols.com

Water Treatment Chemicals

Water Treatment	Fernox: Hydronic non toxic chemicals, and open loop exchanger cleaning chemicals. Non-Toxic NSF certified propylene glycol. fernox.com
	GTP: Residential hydronic feeder systems. gtpcompany.com/residential-glycol.html
	JJM: Condensate neutralizers, residential and Commercial. jimboilerworks.com .
	Scaltrol: Open loop hard water treatment system. scaltrolinc.com