



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

Commercial Mechanical and Plumbing Products Rev 01.26.2024

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 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

LG: Heat Pump Domestic Water Heaters with electric resistance coil backup. 60 and 80 gallon, quiet and elegant. LG.com

Air Handlers

ESP: HiVelocity air handlers. For home and office – very energy efficient. hi-velocity.com

ESP: LoVelocity air handlers. For home and office – very energy efficient. 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

Mechanical - Gas Fired Boilers

Hydronic Boilers

Thermal Solutions: Condensing Hydronic, 97% efficient, 399 MBH to 1,000 MBH capacities, 10:1 turndown, no minimum flow requirements. Indoor and outdoor applications. Indoor applications only for higher capacities which reach 6,000 MBH. thermalsolutions.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

Alta: 120, 150, 180 MBTU capacities. Condensing hydronic boilers. 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

Aspen fire-tube series: Hydronic Only: 80 MBTU to 399 MBTU. usboiler.net

Steam Boilers

US Boilers (Burnham): SteamMax & Independence, gas fired steam boilers, cast iron heat exchanger. 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

Pumps and Circulators

Circulators

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

Commercial Pumps

Wilo: Commercial end suction base mounted, vertical inline pumps, ECM, VFD. Hydronic & DHW. wilo-usa.com

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.com



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

HBX Control Systems: WiFi thermostats. Whole house control, boiler staging control, radiant floor, and heat pump controls. hbxccontrols.com

Tekmar: Zone controls and switching relays. In the search window, put “switching relays. tekmar

Metering

HBX Control Systems: BTU, Temperature, Flow and Pressure metering systems, WiFi retrieval of data for billing. hbxccontrols.com

Specialties

Accessories

Aalberts: Air/dirt separators, AirVents, purge valves, pressure reducing valves. Aalberts-hfc.com

Elbi of America: Expansion tanks ASME and non-Code, Air Separators, Suction Diffusers, Triple Duty Valves commercial hydronic accessories. elbi.net

Miljoco: Temperature and pressure gauges. miljoco.com

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

Heat Exchanger

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

Plate Concepts: Plate and frame heat exchangers. 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

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

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

Radiant Insulation

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

Creatherm: Rigid foam insulation. creatherm

rFoil: Easy to install roll out reflective radiant insulating materials. Rfoil.com

Fan Convectors

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

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

Airtex: Commercial convectors, fan coils, hydronic distribution units, unit heaters. airtex.com

Smith Environmental: Kickspace, Underfloor, Wall hot water fan convectors. smithsep.com

Radiators

Jaga: Convectors for residential and multi-family applications. Wall mounted electric resistance heaters. jaga-usa.com

Smith Environmental: Select style panel radiators. smithsep.com



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

Burnham: Cast Iron Radiators usboiler.net

Myson: Décor and Select style radiators. mysoncomfort.com

Baseboards

Heating Edge/Hawkstone: Baseboard heating products. Heating Edge

Plumbing - Electric Water Heaters

Tank-type water heater **Elbi:** Commercial, vertical, round electric-power ASME water heaters elbi.net

Point-of-Use Instantaneous **Stiebel Eltron:** Tankless, water heaters for point-of-use. Stiebel Eltron

Emergency Shower and Eyewash **Stiebel Eltron:** Electric tepid water heaters. Stiebel Eltron

Plumbing - Gas Fired DHW Heaters

Water Heaters **Thermal Solutions:** Condensing Water Heaters, 98% efficient, 399 MBH to 1,000 MBH capacities, 10:1 turndown, no minimum flow requirements. Indoor and outdoor applications. Indoor applications only for higher capacities which reach 4,000 MBH. thermalsolutions.com

Combi Boilers **Alta combi:** 136/200 MBTU's, The world's FIRST & ONLY 10:1, gas-adaptive (self-tuning), combi boiler! 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

Pressure Booster Systems

Pressure Booster Systems **Canariis:** A wide range of domestic water pressure booster systems Custom Skid packaging. canariis.com

Aqua Pro Pump Systems: Generation II All Stainless Steel. Package water pump system consists of pump, controls, built-in check valve and power cord. Complete pressure booster system does not require a pressure tank for most applications. aquapropumpsystems.com

Wilo: Efficient pressure management from the waterworks to the consumer. 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

Commercial **Wilo:** Commercial end suction base mounted, vertical inline, ECM, DHW pumps. wilo-usa.com

Sump and Sewage Ejectors

Aqua-pro Pump Systems: Sump and Sewage pumps, controls, vault, floats packaged systems. aquapropumpsystems.com



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

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

Elbi: ASME storage tanks, expansion tanks, hydropneumatic tanks, buffer tanks, chilled water tanks -all varieties of pressure vessels. elbi.net

Alliance SL: Stone-lined, 27-to-70-gallon capacities, indirect tank & coil. usboiler.net

Alliance LT & Vaughn: Featherweight, Thermoplastic, 30-to-119-gallon capacities, indirect tank & coil. 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

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

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

Sentinel: Non-Toxic NSF certified propylene glycol. Sentinel

Water Treatment and Chemicals

Water Treatment

Sentinel: Hydronic non-toxic chemicals, and open loop exchanger cleaning chemicals. Propylene glycol, non-toxic. Sentinel

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

GTP: Industrial hydronic feeder systems. gtpcompany.com/industrial

JJM: Condensate neutralizers, residential and Commercial. 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