ARMSTRONG HEAT PUMP – THE MASTER IN ENERGY SAVING

Armstrong Heat Pumps are custom-engineered, packaged solutions for hydronic heating/cooling and general use or process hot water systems up to 248°F (120°C)

Armstrong Heat Pumps improve thermal efficiency by reclaiming waste heat and are an excellent option for facilities which are implementing cost reduction, de-steaming, decarbonization, or Net Zero-related initiatives.

In numerous industrial processes, waste heat is generated that often cannot be used efficiently, and therefore needs to be released into the environment. With the use of high temperature heat pumps, we provide the opportunity to process this energy for a specific further use.

Learn more about Armstrong heat pumps

Features
- Our tried and tested HFO and HCFO refrigerant based machines can be employed for a temperature range of up to 248°F (120°C)
- 248°F (120°C) high temperature hot water can be generated by operating heat pump at low refrigerant pressure
- Environmentally friendly solution with low GWP
- The low pressure levels in combination with the thermodynamic capability

Compressor
- Equipped with Semi-hermetic Screw compressors or reciprocating compressors
- Available displacements 141 CFH (4 m³/hr) to 42377 CFH (1200 m³/hr)

Pumps
- Electronic in-line pumps with integrated frequency converter

Expansion Valve
- Electromagnetic expansion valve for optimal refrigerant injection in the evaporator

Controller and Control Cabinet
Control of the unit by electronic PLC regulation via touch panel for:
- Visualization of refrigeration cycle
- Operation point
- Application limits
- Temperatures
- Pressures
- Clear text fault messages in case of malfunctions.

Heat Pump Accessories:
- High and low pressure switches
- Heat exchanger for liquid sub cooling and suction gas super-heating
- Sound-absorbing housing to reduce the noise level of the compressors by about 10 - 15 d B(A).
- Equipped with standard equipments like Inspection glass, Refrigerant Collector etc ...