

Product Guide

HEAT EXCHANGER PACKAGES
HEVASTEAM PACKAGES

Inventive Engineering



HevaSteam Heat Exchanger Packages



The Arbe range of HevaSteam packaged steam/water heat exchangers offer a compact and economical solution for heat transfer requirements. The HevaSteam unit is a self-contained unit, with all the required equipment and controls to ensure safe & efficient operation. The unit is supplied with a steam trapping system as standard for condensate control, but can also be supplied with steam pumps, both mechanically and electrically operated.

Dedicated ranges for domestic hot water production & heating water production (LTHW, MTHW & HTHW)

Standard units with primary duties from 35 kW to 11,000 kW, with special models available up to 30,000 kW

Standard units with PID controllers, with BACnet control options and PLC controls & touch-screen technology also available

Control options with tight temperature tolerance for critical process operations

Available with either APS plate heat exchangers or CT shell & tube heat exchangers

Small unit size with high heat transfer capacity

High resistance to pressure and temperature fluctuations

Cost efficiency

Stainless steel connections

Easy installation

Applications:

Domestic hot water

Heating systems (LTHW, MTHW & HTHW)

Process systems

Wash-Down systems



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Selection:

Use the table below to select a unit based on the kW output required and the available steam pressure of the unit.

Example: You have a requirement for 450 kW and have a steam pressure available at 3 BarG (4 BarA), the unit you need to select would be a HS-G

HevaSteam Model	Steam Inlet Size	Steam Pressure at Inlet to Package								
		2	3	4	5	6	7	8	9	10
HS-A	DN20	35	45	55	65	75	85	95	105	115
HS-B	DN25	50	65	80	95	110	125	140	155	170
HS-C	DN32	85	110	135	160	185	210	235	260	285
HS-D	DN40	130	165	200	235	270	305	340	375	420
HS-E	DN50	215	265	315	365	415	465	515	565	615
HS-F	DN65	340	440	540	640	740	840	940	1040	1140
HS-G	DN80	480	615	750	885	1020	1155	1290	1425	1560
HS-H	DN100	875	1080	1285	1490	1695	1900	2105	2310	2515
HS-J	DN125	1300	1660	2020	2380	2740	3100	3460	3820	4180
HS-K	DN150	1910	2450	2990	3530	4070	4610	5150	5690	6230
HS-L	DN200	3400	4350	5300	6250	7200	8150	9100	10050	11000

Other selection requirements

To complete the coding designation of the package, the following also needs to be stipulated:

Secondary Medium: “-D-” (domestic hot water) or “-H-” (heating water)

Control valve: “-E-” (electrically actuated) or “-P-” (pneumatically actuated)

Condensate Control: “-ST-” (steam trap) or “-PT-” (pump/trap)

Example: From the HS-G unit selected above, the package is for domestic hot water and there is an 18 metre back pressure on the condensate thus requiring a pump/trap, so the selection would be an HS-G-D-E-PT.

Notes:

- Our standard units are supplied with plate heat exchangers but shell & tube can be supplied
- All domestic hot water system packages are supplied with fast-acting electromagnetic control valves when not using pneumatically actuated valves
- All domestic hot water packages are also fitted with overheat protection systems to ensure safe operation

Please contact our technical office for dimensional and layout details

Welcome to Arbe Integrated Engineering

Arbe Integrated Engineering offer a range of products and services for the HVAC building services industry, ranging from bare heat exchangers and storage cylinders to fully packaged plantrooms and associated equipment. With over 20 years of design experience, our design and technical team can offer a complete solution for a wide range of project requirements.

Seamless Integration:

With our next generation range of equipment, our products offer complete integration with renewable and future energies, ensuring all available energy is utilised, reducing fossil fuel usage. In addition, our HevaSys products offers a unique next generation range of equipment with integral BMS style controls that can be adapted to any installation and can provide a standalone management system for buildings where the heating and hot water generation is relatively small, such as a leisure centre or a school.

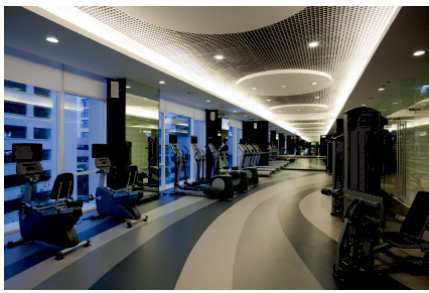
Inventive Engineering:

In addition to our standard equipment, including heat exchangers, storage calorifiers and packaged solutions, we also design and manufacture bespoke equipment to end user or consultant specifications and we carry out extensive research and development to invent new products and enhance current designs.

Application Solutions:

With our complete range of products, we have solutions to cover most applications. With our ability to carry out complete bespoke design, we have a solution for each and every project requirement. Our end users include:

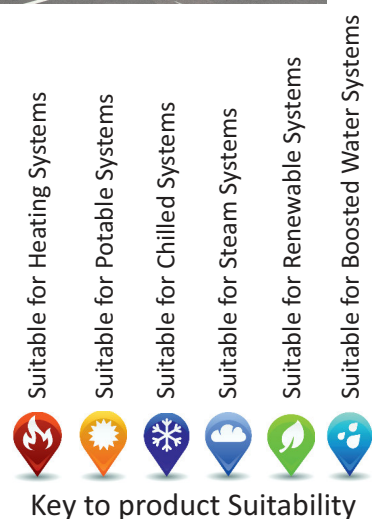
- Hotels
- Schools
- Universities
- Leisure Centres & Gyms
- Hospitals



Products Include:

Calorifiers
Indirect Cylinders
Direct Cylinders
Thermal Stores
Pressure Vessels
Plate Heat Exchangers
Braze Heat Exchangers
Shell & Tube Exchangers
Heat Exchanger Packages

TwinHeat DHW/LTHW Systems
Gas Fired Calorifiers
Boilers & Associated Equipment
Packaged Boiler Houses
Packaged Plant Rooms
Solar Energy Packages
Heat Pumps
Booster Sets & Pressurisation
Bespoke Engineering Packages



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