

Product Guide

HEAT EXCHANGER SOLUTIONS
APB BRAZED HEAT EXCHANGERS

Inventive Engineering



Brazed Heat Exchangers



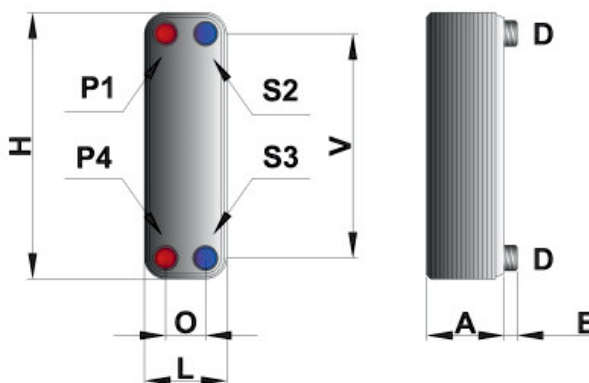
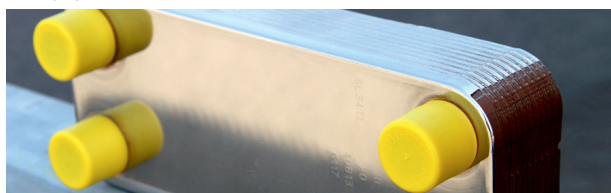
Arbe Integrated Engineering offers a range of brazed heat exchangers for various applications in various forms. Our PB range of brazed heat exchangers offer an optimum heat transfer solution and a high quality product. Brazed heat exchangers are ideal for low duty applications, or applications with a wide temperature range. High performance plate heat exchangers consist of a number of formed and fixed heat exchanger plates. The alternating pressed plate sequence cause highly turbulent flow behaviour, optimal self-cleaning effect and high heat transfer.

We have many years experience in the design and supply of heat exchangers, as stand-alone items or as a packaged unit supplied with integral equipment and controls, such as pumps, control valves and factory wired control panels.

Our complete expertise in the industry guarantees that our products will fulfill your requirements with our design excellence and high quality products.

Summary

- Pressure from vacuum up to 40 BarG
- High heat transfer coefficient
- Compact design
- Low pressure drop
- Heat transfer surfaces from 0.14 - 58m²
- Usable in temperatures from -100°C to 250°C
- Low algorithmic temperature differences
- Low weight compared to tubular heat exchangers
- Good self-cleaning due to high velocities
- Can be used as a heat exchanger, condenser or evaporator



Model	Dimensions (mm)					Area m ²	Connection Length	Connection Size (BSP)	Maximum Temperature (DegC)	Maximum Pressure (BarG)	Weight Empty (kg)
	H	L	O	V	A						
ABV15	200	90	46	159	7 + (np x 2.3)	0.015 x (np - 2)	20	¾"	200	30	1 + (np x 0.08)
ABV26	310	111	50	250	9 + (np x 2.4)	0.026 x (np - 2)	20	1"	200	30	1.3 + (np x 0.13)
ABV50	525	111	50	466	10 + (np x 2.4)	0.05 x (np - 2)	20	1"	200	30	2 + (np x 0.23)
ABV95	616	191	92	519	11 + (np x 2.8)	0.095 x (np - 2)	20	2"	200	30	7.8 + (np x 0.44)

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.

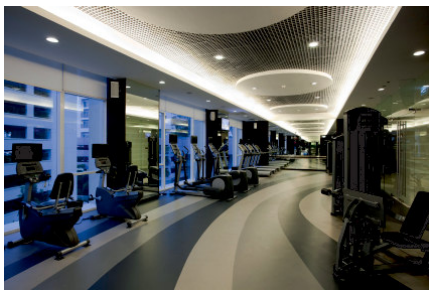
Inventive Engineering:

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:

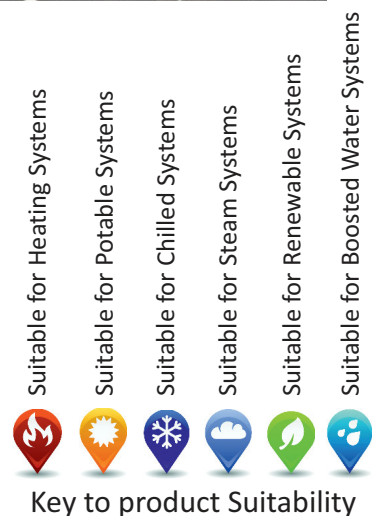
- Hotels
- Schools
- Universities
- Leisure Centres & Gyms
- Hospitals



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



Arbe Integrated Engineering Ltd
Coal Lane
Causeway Foot
Halifax, HX2 9PG
Tel 01422 646865, Fax 01422 500018
mail@arbe.co.uk www.arbe.co.uk