



Domestic Hot Water (DHW) Alfa Laval Plate Heat Exchangers



Alfa Laval Domestic Hot Water (DHW) Brazed Plate Heat Exchangers

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Domestic Hot Water (DHW) Alfa Laval Instantaneous Plate & Gasket Heat Exchangers (250KW > 1000KW)

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Independently Controlled Domestic Hot Water (DHW) - Packaged Plate Heat Exchanger

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Heat Exchangers Enquiry

Domestic Hot Water (DHW) Plate

Thank you for your enquiry, please provide all your contact details below so we can return your Quotation and Drawings as quickly as possible.

Company Name:

Name:

Telephone Number:

Email:

Project Name:

Please provide a brief description of the intended use of the PHE and any restrictions in the Duty, Pressure or Dimensions that may need to be considered when designing your Plate Heat Exchanger:

Message:

PDF Attachments

SECONDARY (COLD) SIDE DUTIES

Please do not worry if you do not have all the duties at this stage as we will ask for any important technical information required to design the perfect Plate Heat Exchanger for your DHW Project.

Fluid Type (Water etc):

Flow Rate L/s:

Temperature Flow In oC:

Temperature Flow Out oC:

Max Pressure Drop KPA

System Pressure Bar:

KW Available On Site:

PRIMARY (HOT) SIDE DUTIES

Please do not worry if you do not have all the duties at this stage as we will ask for any important technical information required to design the perfect Plate Heat Exchanger for your DHW Project.

Fluid Type (Water etc):

Flow Rate L/s:

Temperature Flow In oC:

Temperature Flow Out oC:

Max Pressure Drop KPA:

System Pressure Bar:

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When looking at the design of an AEL Domestic Hot Water (DHW) Plate Heat Exchanger for a Hotel, Hospital, Residential property etc the core principle of the design tends to always be the same (or very similar) with the Primary hot water circuit from a Boiler or another Primary heat source supplying water at 80 oC which in turn heats the Domestic Hot Water (DHW) circuit from 10 oC to 60 oC to supply each tap or shower outlet with hot water.

If the system design duties are not available from site in the early stages of an enquiry then assuming the Primary Temperatures are 80 > 60 oC and the Secondary Temperatures are 10 > 60 oC is a good starting point for Quotation purposes, these can be changed later if required.

AEL Domestic Hot Water (DHW) Plate Heat Exchangers can be supplied on a skid with a Techno System Control Panel c/w Valves and Primary Pump etc or as an Alfa Laval Plate and Gasket Plate Heat Exchanger or as an Alfa Laval Brazed Plate Heat Exchanger unit controlled elsewhere via a BMS System.

The AEL Techno System Domestic Hot Water (DHW) Packaged Plate Heat Exchangers also have an option for an Anti-Legionella Function and a High Limit Auto Shut off Valve.

In practice both types of heat exchanger transfers energy tend to follow the same principle of the Hot Primary Circuit heating the Cooler Secondary circuit to 60 oC.

Please feel free to contact the AEL Technical Sales Office for advice.



AEL Only Supply High Quality Plate Heat Exchangers & Associated Equipment That Are Manufactured In Europe & The UK To European & British Standards.

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