

PRE-SELECTION PLATE EXCHANGERS - AQUAPLATE

1. EXCHANGER RANGE

General product information :

- 316 stainless steel plate exchangers, high performance and easy to dis-mantle
- Plate thickness 0.5 or 0.4 mm depending on model
- Excellent sanitary quality gaskets in EPDM FF or EPDMW (WRAS approval) and 'Clip-on' type gaskets
- Support foot with 3 floor fixing holes
- EPP insulation included (Heating/HVAC application)
- Maximum operating temperature = 110°C
- Maximum operating pressure = 10 bar

**Standard lead
time 3 working
days**



2. CALCULATION DATA

Power (kW) *

PRIMARY

Inlet temperature
Type of fluid **
Flow rate (m³/h) *
Pressure drop (kPa)
Output temperature



SECONDARY

Output temperature
Type of fluid **
Flow rate (m³/h) *
Pressure drop (kPa)
Inlet temperature



* Indicate either a power rating or one of the two flow rates (primary or secondary)
** Only water or glycolated water (indicate % and type of glycol.)

3. ADVICE AND RECOMMENDATIONS

- Our heat exchangers are designed for heating network separation applications (e.g. primary 80/60°C - secondary 50/70°C) and domestic hot water (DHW).
- To select the right plate heat exchanger, you need at least five parameters: Four temperatures (inlet & outlet on primary and secondary) + a capacity or flow rate.
- Pressure drop is an important factor in selecting a heat exchanger. It influences the size of the exchanger, the number of plates and the price. Without any indication from you, we will assume a standard pressure of 30kPa.

POWER FORMULA REMINDER

Power (kW) =(primary inlet temperature - primary outlet temperature) x Primary flow (m³/h) x 1.16
or
Power (kW) =(secondary outlet temperature - secondary inlet temperature) x Secondary flow (m³/h) x 1.16

Please send your completed file to info.uk@cetetherm.com