**Inline Plate Heat Exchangers**

The compact, economical solution for efficient heat transfer

Bowman stainless steel Inline Plate heat exchangers provide a compact, efficient solution for a wide range of applications.

**Compact design**

Comprising a series of stainless steel heat transfer plates, two outer covers and four connections vacuum-brazed into an integral unit, these heat exchangers are available in a range of sizes and with a choice of brazing materials.

**High efficiency heat transfer**

Bowman Inline Plate units feature a uniquely designed flow arrangement with both fluid streams circulating in series through the heat exchanger, providing efficient heat transfer.

**Easy in-line installation**

The unique design enables the inlet and outlet connections to be axially inline, so that the unit fits simply and neatly into pipework. For new installations, this feature plus the unit’s compact, modern design can provide substantial space and cost savings.

**High quality construction**

Manufactured from 316 stainless steel, to Bowman’s renowned standards, these neat, compact units provide a high quality solution for efficient heat transfer.

**Choice of brazing solutions**

Whilst the plates of the standard product range are copper brazed, for more demanding or aggressive applications, a copper free brazed 316 stainless steel unit is available.
Copper Brazed | Copper Free Brazed | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | F (mm) | G (BSP) | H (mm) | K (mm) | L (mm) | M (mm) | Weight (kg) | Volume (Per Side Litres)
---|---|---|---|---|---|---|---|---|---|---|---|---|---|---
10-5 | - | 106 | 50 | - | - | 25 | - | $\frac{1}{4}$ | 11 | 24 | 16 | 3 | 0.8 | 0.05
10-9 | 10-9E | 106 | 50 | - | - | 25 | - | $\frac{1}{2}$ | 11 | 37 | 16 | 3 | 0.9 | 0.11
10-13 | - | 106 | 50 | - | - | 25 | - | $\frac{1}{2}$ | 11 | 50 | 16 | 3 | 1.1 | 0.16
10-17 | 10-17E | 106 | 50 | - | - | 25 | - | $\frac{1}{2}$ | 11 | 63 | 16 | 3 | 1.2 | 0.21
10-21 | - | 106 | 50 | - | - | 25 | - | $\frac{1}{2}$ | 11 | 76 | 16 | 3 | 1.3 | 0.26
10-25 | - | 106 | 50 | - | - | 25 | - | $\frac{1}{2}$ | 11 | 90 | 16 | 3 | 1.7 | 0.32
10-29 | - | 106 | 50 | - | - | 25 | - | $\frac{1}{2}$ | 11 | 103 | 16 | 3 | 2.0 | 0.37
15-5 | 15-5E | 158 | 75 | 165 | 7 | 37.5 | 45 | $\frac{3}{4}$ | 12 | 34 | 20 | 4 | 2.5 | 0.18
15-9 | 15-9E | 158 | 75 | 165 | 7 | 37.5 | 45 | $\frac{3}{4}$ | 12 | 54 | 20 | 4 | 2.9 | 0.36
15-13 | 15-13E | 158 | 75 | 165 | 7 | 37.5 | 45 | $\frac{3}{4}$ | 12 | 74 | 20 | 4 | 3.3 | 0.55
15-17 | - | 158 | 75 | 165 | 7 | 37.5 | 45 | $\frac{3}{4}$ | 12 | 94 | 20 | 4 | 3.7 | 0.72
15-21 | - | 158 | 75 | 165 | 7 | 37.5 | 45 | $\frac{3}{4}$ | 12 | 112 | 20 | 4 | 4.1 | 0.90
15-25 | - | 158 | 75 | 165 | 7 | 37.5 | 45 | $\frac{3}{4}$ | 12 | 132 | 20 | 4 | 4.6 | 1.09
15-29 | - | 158 | 75 | 165 | 7 | 37.5 | 45 | $\frac{3}{4}$ | 12 | 152 | 20 | 4 | 5.0 | 1.27

Maximum working pressure 6 bar (please ensure a suitable pressure relief valve is fitted upstream of the heat exchanger to avoid going over the maximum working pressure and damaging the unit).

Maximum working temperature 185°C (110°C with water).

These products have been designed to operate with fuel containing ethanol which is incompatible with copper.

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EJ Bowman (Birmingham) Ltd reserve the right to change specifications, or remove models from the range without prior notice. Please check with the sales team for current availability.