



## CROSS FLOW HEAT EXCHANGER

# MODEL H2

### PRODUCT DATA SHEET

Model H2 is our most efficient cross flow plate heat exchanger. It combines low-weight with high differential pressure resistance and is able to reach typical dry temperature efficiencies above 80%.

The efficiency is improved by its slim profiles and our latest patented plate design, creating high turbulence even at lower velocities while keeping pressure drop low.

A wide range of options including painted frame work, epoxy coated plates and closed plate cutting edges will improve corrosion resistance and minimize air leakage even further. Custom made accessories like bypass and dampers are available for all our cross flow heat exchangers.

Model H2 is certified according to Eurovent, AHRI, ILH and TüvSüd.

Most configurations comply with the Ecodesign Lot 6 requirements.

Heatex cross flow plate heat exchangers comply with hygiene standard EN 13779 and clean room standard DIN 1946 part 4.

## TECHNICAL SPECIFICATIONS

# MODEL H2

### COMBINED MODULES SIZE:

600 - 3000 mm

### PLATE SIZE:

600 mm / 700 mm / 750 mm / 850 mm / 1000 mm / 1200 mm

### PLATE MATERIAL:

Aluminum (standard)  
Epoxy coated aluminium (improved corrosion protection)

### GABLES:

Aluzinc (standard)  
Aluminum

### CORNER PROFILES:

Aluminium 90° (standard)  
Aluminium 45°

### MAXIMUM ALLOWED TEMPERATURE AND SEALING:

90°C - Silicone free (standard)  
200°C - Silicone  
240°C - Silicone

### MAXIMUM LEAKAGE (AT 400 PA DIFF. PRESSURE):

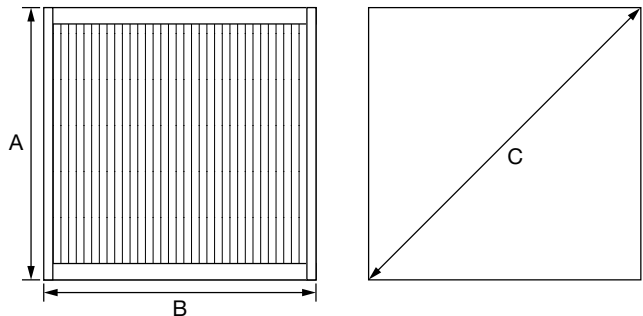
0.1% of nominal air flow  
1% of nominal airflow with silicone sealant

### MAXIMUM ALLOWED DIFFERENTIAL PRESSURE:

1800 - 3000 Pa, depending on plate spacing  
> 3000 Pa for plate spacing above 4 mm

For H2 1200/2400:

1500 - 1700 Pa for plate spacing 2.0 mm - 3.0 mm  
> 3000 Pa for plate spacing above 4 mm



## MODEL H2 RANGE

| MODEL | MEASURE (MM) |          |            |        | PLATE DISTANCE (MM)  |
|-------|--------------|----------|------------|--------|--|
|       | A            | B*       | C45**      | C90*** |  |
| 600   | 600          | 250-1200 | 829        | 849    | 1.9 / 2.0 / 2.2 / 2.5 / 3.0 / 4.0 / 5.0 / 6.0                    |
| 700   | 700          | 300-1200 | 970        | 990    | 2.0 / 2.5 / 3.0 / 4.0 / 5.0 / 6.0                                |
| 750   | 750          | 300-1200 | 1041       | 1061   | 2.0 / 2.1 / 2.5 / 3.0 / 4.0 / 5.0 / 6.0                          |
| 850   | 850          | 300-1200 | 1182       | 1202   | 2.0 / 2.1 / 2.2 / 2.5 / 3.0 / 4.0 / 5.0 / 6.0                    |
| 1000  | 1000         | 350-1200 | 1394       | 1414   | 2.0 / 2.5 / 2.7 / 3.0 / 4.0 / 5.0 / 6.0                          |
| 1200  | 1200         | 350-1200 | On request | 1697   | 2.0 / 2.5 / 2.7 / 2.8 / 3.0 / 4.0 / 5.0 / 6.0 / 8.5 / 10.0       |
| 1400  | 1400         | 350-1200 | 1960       | 1980   | 2.0 / 2.5 / 3.0 / 4.0 / 5.0 / 6.0                                |
| 1500  | 1500         | 350-1200 | 2102       | 2122   | 2.0 / 2.5 / 3.0 / 4.0 / 5.0 / 6.0                                |
| 1700  | 1700         | 350-1200 | 2384       | 2404   | 2.0 / 2.5 / 3.0 / 4.0 / 5.0 / 6.0                                |
| 2000  | 2000         | 350-1200 | 2808       | 2828   | 2.0 / 2.5 / 3.0 / 4.0 / 4.3 / 4.8 / 5.0 / 6.0                    |
| 2250  | 2250         | 350-1200 | 3162       | 3182   | 2.0 / 2.5 / 3.0 / 4.0 / 5.0 / 5.5 / 6.0                          |
| 2400  | 2400         | 350-1200 | 3374       | 3394   | 2.0 / 2.5 / 2.7 / 2.8 / 3.0 / 4.0 / 5.0 / 5.5 / 6.0 / 8.5 / 10.0 |
| 2550  | 2550         | 350-1200 | 3586       | 3606   | 2.0 / 2.5 / 3.0 / 4.0 / 5.0 / 6.0                                |
| 3000  | 3000         | 350-1200 | 4223       | 4243   | 2.0 / 2.5 / 3.0 / 4.0 / 5.0 / 6.0                                |

\* Maximum module width depends on plate orientation (vertical or horizontal), model and plate distance.

\*\* 45° corner profile.

\*\*\* 90° corner profile.

Owing to continued product development Heatex reserves the right to introduce alterations without prior notice.