



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 framework, 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's performance is certified according to Eurovent, AHRI and TüvSüd. It can easily be configured to comply with Ecodesign 1253/2014 requirements.

All Heatex cross flow plate heat exchangers meet several hygiene requirements.



TECHNICAL SPECIFICATIONS

MODEL H2

COMBINED MODULES SIZE:

- 500 - 3000 mm

PLATE SIZE:

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

PLATE MATERIAL:

- Aluminum
- Epoxy

END PLATES:

- Aluzinc
- Aluminum

CORNER PROFILES:

- Aluminium 90°
- Aluminium 45°

MAX. ALLOWED TEMPERATURE AND SEALING:

- 90°C - Silicone free
- 200°C - Silicone
- 240°C - Silicone

MAX. LEAKAGE (IN %):

- 0.1% of nominal airflow with non-silicone at 400 Pa
- 1% of nominal airflow for all models with silicone sealant

MIN. ALLOWED TEMPERATURE:

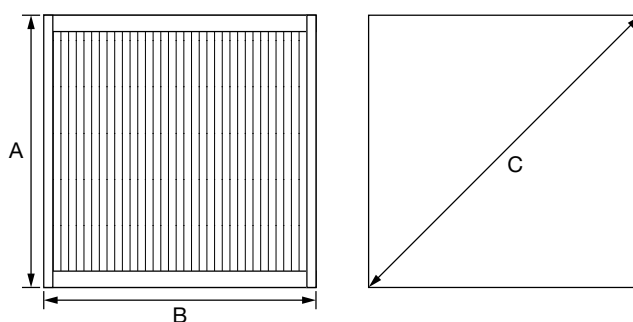
- -40°C

MAX. 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***	
500	500	250 - 1000	688	707	1.9 / 2.0 / 2.5 / 3.0 / 4.0 / 5.0 / 6.0
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.