



CROSS FLOW HEAT EXCHANGER

MODEL H2

PRODUCT DATA SHEET

Model H2 is a high-performance, light weight, cross flow plate heat exchanger with typical dry temperature efficiency up to 85%. The efficiency is improved by a unique plate design creating turbulence even at lower velocities. Other benefits are low pressure drop and increased differential pressure resistance.

The wide range of sizes enables this model to cover a broad application span, from the low air flows to the largest commercial installations. Numerous standard options include epoxy coating, lacquered framework, extra airtight sealing, bypass, dampers, and a choice of seals for different temperature ranges and applications.

Heatex offers a broad range of cross flow plate heat exchangers that are easy to mount and to maintain. The design allows rapid and thorough cleaning and servicing. Heatex double sealing system, gluing and folding, offers the lowest cross contamination and highest fresh air quality.

Heatex cross flow plate heat exchangers comply with hygiene standard EN13779 and clean room standard DIN1946 part 4. Model H2 also complies with the Ecodesign Lot 6 requirements.

TECHNICAL SPECIFICATIONS

MODEL H2

MAXIMUM ALLOWED DIFFERENTIAL PRESSURE:

Up to 3000 Pa, depending on plate spacing.
At least 3000 Pa for plate spacing above 4mm.

MAXIMUM LEAKAGE:

0.1% of nominal air flow with non-silicone at 400 Pa differential pressure.
1% of nominal airflow for all models with silicone sealant.

MAXIMUM ALLOWED TEMPERATURE:

90°C (200°C with silicone sealant and 240°C with high temp. silicone).

PLATE MATERIAL:

Aluminum is standard. Epoxy coated aluminum available for better corrosion protection.

FRAME MATERIAL:

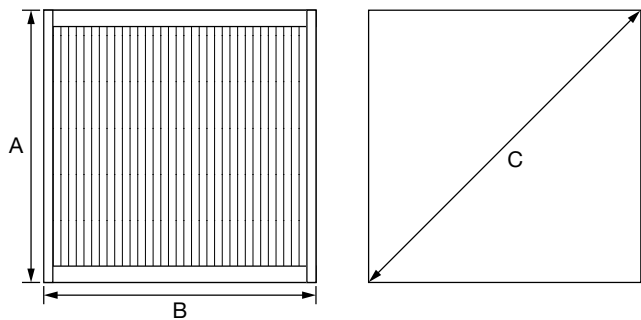
Corner profiles in aluminum and gables in aluzink (std.) or aluminium.

SEALING:

Silicone free (max 90°C).
Silicone (max 200°C).
High temp. silicone (max 240°C) with aluminium gables.

FRAME DESIGNS:

Several combinations of different corner profiles and gables are available. See Options data sheet for more information.



MODEL H2 RANGE

MODEL	MEASURE (MM)				PLATE DISTANCE (MM)	FRAME DESIGN
	A	B	C45*	C90**		
500	500	250-1000	687	707	1.9 / 2.0 / 2.5 / 3.0 / 4.0 / 5.0 / 6.0	1E, 2E
600	600	250-1200	829	849	1.9 / 2.0 / 2.2 / 2.5 / 3.0 / 4.0 / 5.0 / 6.0	1E, 2E
700	700	300-1200	970	990	2.0 / 2.5 / 3.0 / 4.0 / 5.0 / 6.0	1E, 2E
750	750	300-1200	1041	1061	2.0 / 2.1 / 2.5 / 3.0 / 4.0 / 5.0 / 6.0	1E, 2E
850	850	300-1200	1182	1202	2.0 / 2.1 / 2.2 / 2.5 / 3.0 / 4.0 / 5.0 / 6.0	1E, 2E
1000	1000	350-1200	1394	1414	2.0 / 2.5 / 2.7 / 3.0 / 4.0 / 5.0 / 6.0	1E, 2E
1200	1200	350-1200	-	1697	2.0 / 2.5 / 2.7 / 2.8 / 3.0 / 4.0 / 5.0 / 6.0	1E, 2E
1400	1400	350-1200	-	1980	2.0 / 2.5 / 3.0 / 4.0 / 5.0 / 6.0	1E, 2E
1500	1500	350-1200	-	2122	2.0 / 2.5 / 3.0 / 4.0 / 5.0 / 6.0	1E, 2E
1700	1700	350-1200	-	2404	2.0 / 2.5 / 3.0 / 4.0 / 5.0 / 6.0	1E, 2E
2000	2000	350-1200	-	2828	2.0 / 2.5 / 3.0 / 4.0 / 4.3 / 4.8 / 5.0 / 6.0	1E, 2E
2250	2250	350-1200	-	3182	2.0 / 2.5 / 3.0 / 4.0 / 5.0 / 5.5 / 6.0	1E, 2E
2550	2550	350-1200	-	3606	2.0 / 2.5 / 3.0 / 4.0 / 5.0 / 6.0	1E, 2E
3000	3000	350-1200	-	4243	2.0 / 2.5 / 3.0 / 4.0 / 5.0 / 6.0	1E, 2E

*45° corner profile.

**90° corner profile.

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