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 12” WC, depending on plate spacing.
At least 12” WC for plate spacing above 0.16”.

MAXIMUM LEAKAGE:
0.1% of nominal air flow with non-silicone
at 1.6” WC differential pressure.
1% of nominal airflow for all models with silicone sealant.

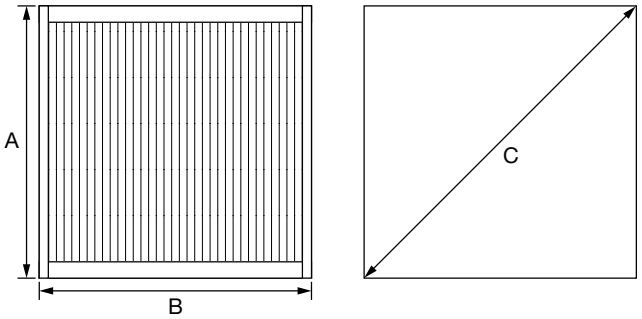
MAXIMUM ALLOWED TEMPERATURE:
190°F (390°F with silicone sealant and 464°F with high temp. silicone).

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 190°F).
Silicone (max 390°F).
High temp. silicone (max 464°F) 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 (INCHES) A	B	C45*	C90**	PLATE DISTANCE (INCHES)	FRAME DESIGN
500	19.69	9.84-39.37	27.05	27.83	0.075 / 0.079 / 0.098 / 0.12 / 0.16 / 0.20 / 0.24	1E, 2E
600	23.62	9.84-47.24	32.64	33.43	0.075 / 0.079 / 0.087 / 0.098 / 0.12 / 0.16 / 0.20 / 0.24	1E, 2E
700	27,56	11.81-47.24	38.19	38.98	0.079 / 0.098 / 0.12 / 0.16 / 0.20 / 0.24	1E, 2E
750	29.53	11.81-47.24	40.98	41.77	0.079 / 0.083 / 0.098 / 0.12 / 0.16 / 0.20 / 0.24	1E, 2E
850	33.45	11.81-47.24	46.54	47.32	0.079 / 0.083 / 0.087 / 0.098 / 0.12 / 0.16 / 0.20 / 0.24	1E, 2E
1000	39.37	13.78-47.24	54.88	55.67	0.079 / 0.098 / 0.11 / 0.12 / 0.16 / 0.20 / 0.24	1E, 2E
1200	47.24	13.78-47.24	66.81	66.81	0.079 / 0.098 / 0.106 / 0.11 / 0.12 / 0.16 / 0.20 / 0.24	1E, 2E
1400	55.12	13.78-47.24	77.95	77.95	0.079 / 0.098 / 0.12 / 0.16 / 0.20 / 0.24	1E, 2E
1500	59.06	13.78-47.24	83.54	83.54	0.079 / 0.098 / 0.12 / 0.16 / 0.20 / 0.24	1E, 2E
1700	66.93	13.78-47.24	94.64	94.64	0.079 / 0.098 / 0.12 / 0.16 / 0.20 / 0.24	1E, 2E
2000	78.74	13.78-47.24	111.34	111.34	0.079 / 0.098 / 0.12 / 0.16 / 0.17 / 0.19 / 0.20 / 0.24	1E, 2E
2250	88.58	13.78-47.24	125.28	125.28	0.079 / 0.098 / 0.12 / 0.16 / 0.20 / 0.24	1E, 2E
2550	100.39	13.78-47.24	141.97	141.97	0.079 / 0.098 / 0.12 / 0.16 / 0.20 / 0.22 / 0.24	1E, 2E
3000	118.11	13.78-47.24	167.05	167.05	0.079 / 0.098 / 0.12 / 0.16 / 0.20 / 0.24	1E, 2E

*45° corner profile.
**90° corner profile.