

CROSS FLOW HEAT EXCHANGER

MODEL H

PRODUCT DATA SHEET



Model H is a high-performance, light weight, crossflow plate heat exchanger with typical dry temperature efficiency up to 65% for single pass and 85% for two-step arrangements. The efficiency is improved by a unique plate design creating turbulence even at lower velocities. The strong aluminium plates in high standard alloy gives the product a long life time. With no moving parts the maintenance and service costs can be kept to a minimum.

The wide range of sizes enables this model to cover a broad application span, from the lowest air flows to the largest commercial installations. Optimal thermal design can be achieved through a wide choice of plate distances. Numerous standard options include epoxy coating, lacquered framework, extra airtight sealing, bypass, dampers, choice of corner profiles, slide-in profiles, flat or flanged gables, and a choice of seals for different temperature ranges and applications.

Heatex cross flow plate heat exchangers comply with hygiene standard EN 13779 and clean room standard DIN 1946 part 4. A lot of configurations also comply with the Ecodesign Lot 6 requirements.

TECHNICAL SPECIFICATIONS

MODEL H

MAXIMUM ALLOWED DIFFERENTIAL PRESSURE:
1800 Pa (for size 200 and 300 it is 700 Pa). Influence on pressure drop is described in the technical documentation.

MAXIMUM LEAKAGE:
0.1% of nominal air flow for size 425 mm and above.
1% of nominal airflow for sizes below 425 mm.
1% of nominal airflow for all models with silicone sealant.

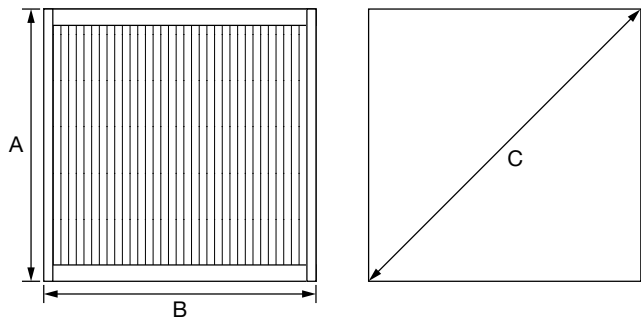
MAXIMUM ALLOWED TEMPERATURE:
90°C (200°C with silicone sealant and 240°C with high temp. silicone).

PLATE MATERIAL:
Aluminum is standard. Epoxy coated aluminum option for improved corrosion protection.

FRAME MATERIAL:
Corner profiles in aluminum and gables in aluzink (std.) or aluminum.

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 H RANGE

MODEL	MEASURE (MM)				PLATE DISTANCE (MM)	FRAME DESIGN
	A	B	C45*	C90**		
200	200	100-600	265	283	1.6/2.1/2.4/2.7	1, 2, 3, 4, A, C
300	300	100-600	406	424	1.8/2.2/3.0/4.0/5.0	1, 2, 3, 4, A, C
415	415	200-700	548	587	3.3/4.2/5.0/6.5	1, 2, 4, A, C
425	425	200-1000	587	601	3.3/4.2/5.0/6.5	1, 2, 4, E
600	600	250-1200	829	849	2.7/3.0/4.5/6.0/7.5/9.0/10.5/12.0	1, 2, 4, E
750	750	300-1200	1041	1061	3.3/4.5/6.0/7.5/9.0/10.5/12.0	1, 2, 4, E
800	800	300-1200	-	1131	3.3/4.5/6.0/7.5/9.0/10.5/12.0	2, 4, E
850	850	300-1200	1182	1202	3.0/3.5/4.0/5.0/6.5/8.0/9.5	1, 2, 4, E
1000	1000	350-1200	1394	1414	3.3/3.7/5.0/6.0/7.5/9.0/10.5/12.0	1, 2, 4, E
1200	1200	350-1200	-	1697	2.7/3.0/4.5/6.0/7.5/9.0/10.5/12.0	2, 4, E
1500	1500	350-1200	-	2122	3.3/4.5/6.0/7.5/9.0/10.5/12.0	2, 4, E
1700	1700	350-1200	-	2404	3.0/4.0/4.5/5.0/6.5/8.5/10.5/12.0	2, 4, E
2000	2000	350-1200	-	2828	3.3/3.7/5.0/6.0/7.5/9.0/10.5/12.0	2, 4, E
2250	2250	350-1200	-	3182	3.3/4.5/6.0/7.5/9.0/10.5/12.0	2, 4, E
2550	2550	350-1200	-	3606	3.0/4.0/4.5/5.0/6.5/8.5/10.5/12.0	2, 4, E
3000	3000	350-1200	-	4243	5.0/6.0/7.5/9.0/10.5/12.0	2, 4, E

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

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