

## 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:

7.2" WC (for size 200 and 300 it is 2.8" WC).

Influence on pressure drop is described in the technical documentation.

### MAXIMUM LEAKAGE:

0.1% of nominal air flow for size 425 and above.

1% of nominal airflow for sizes below 425.

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 option for improved corrosion protection.

### FRAME MATERIAL:

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

### SEALING:

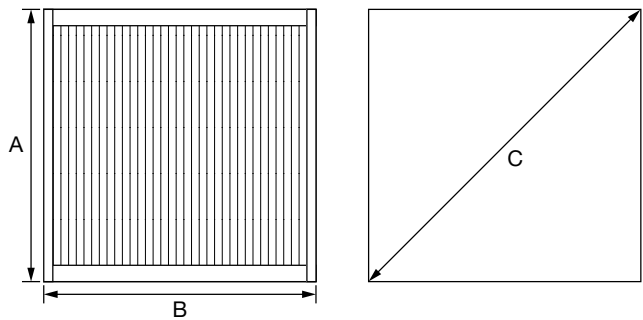
Silicone free (max 190°F).

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 H RANGE

MODEL	MEASURE (INCHES)				PLATE DISTANCE (INCHES)	FRAME DESIGN
	A	B	C45*	C90**		
200	7.87	3.94-23.62	10.43	11.14	0.06/0.08/0.09/0.11	1, 2, 3, 4, A, C
300	11.81	3.94-23.62	15.98	16.69	0.07/0.09/0.12/0.16/0.2	1, 2, 3, 4, A, C
415	16.34	7.87-27.56	21.57	23.11	0.13/0.17/0.20/0.26	1, 2, 4, A, C
425	16.73	7.87-39.37	23.03	23.66	0.13/0.17/0.20/0.26	1, 2, 4, E
600	23.62	9.84-47.24	32.84	33.43	0.11/0.12/0.18/0.24/0.30/0.35/0.41/0.47	1, 2, 4, E
750	29.53	11.81-47.24	40.99	41.77	0.13/0.18/0.24/0.30/0.35/0.41/0.47	1, 2, 4, E
800	31.49	11.81-47.24	-	44.53	0.13/0.18/0.24/0.30/0.35/0.41/0.47	2, 4, E
850	33.45	11.81-47.24	46.54	47.32	0.12/0.14/0.16/0.20/0.26/0.30/0.32/0.37	1, 2, 4, E
1000	39.37	13.78-47.24	54.88	55.67	0.13/0.15/0.20/0.24/0.30/0.35/0.41/0.47	1, 2, 4, E
1200	47.24	13.78-47.24	-	66.81	0.11/0.12/0.18/0.24/0.30/0.35/0.41/0.47	2, 4, E
1500	59.06	13.78-47.24	-	83.54	0.13/0.18/0.24/0.30/0.35/0.41/0.47	2, 4, E
1700	66.93	13.78-47.24	-	94.65	0.12/0.16/0.18/0.20/0.26/0.34/0.41/0.47	2, 4, E
2000	78.74	13.78-47.24	-	111.34	0.13/0.15/0.20/0.24/0.30/0.35/0.41/0.47	2, 4, E
2250	88.58	13.78-47.24	-	125.28	0.13/0.18/0.24/0.30/0.35/0.41/0.47/0.47	2, 4, E
2550	100.39	13.78-47.24	-	141.97	0.12/0.16/0.18/0.20/0.26/0.34/0.41/0.47	2, 4, E
3000	118.11	13.78-47.24	-	167.05	0.20/0.24/0.30/0.35/0.41/0.47	2, 4, E

\*45° corner profile.

\*\*90° corner profile.

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