

## CROSS FLOW HEAT EXCHANGER

# MODEL P

### PRODUCT DATA SHEET



Model P is a high-performance, heavy duty, cross flow plate heat exchanger, specially designed for applications where high differential pressures occur. The thermal efficiency is high due to the unique plate design. Model P plates create good turbulence even at low velocities. This results in efficiencies up to 65% for single units and up to 85% for two-step arrangements. The extra strong aluminum plates contribute to a long expected life time and low operational and total costs.

The wide range of sizes in combination with simple modularity enables you to select Model P even for commercial and industrial applications with very large air flows. Optimal thermal design can be achieved through a wide choice of plate distances. Numerous options include epoxy coating, painted framework, extra airtight sealing, bypass, dampers, various corner profiles, slide-in profiles and a choice of seals for different air temperatures.

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 P

**MAXIMUM ALLOWED DIFFERENTIAL PRESSURE:**  
15" WC. Influence on pressure drop is described in the technical documentation.

**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:**  
190°F air temperature and 390°F with silicone sealant.

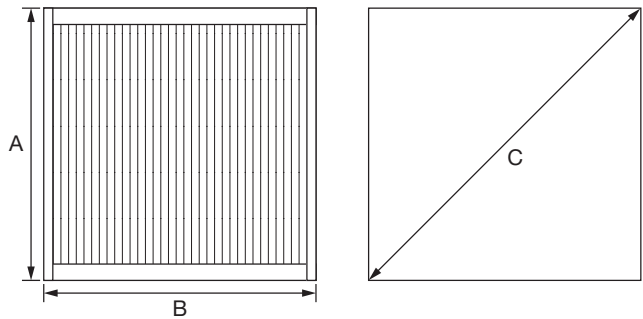
**PLATE MATERIAL:**  
Aluminum is standard. Epoxy coated aluminum is an option for improved corrosion protection.

**FRAME MATERIAL:**  
Corner profiles in aluminum and gables in aluzink (type E).

**SEALING:**  
Silicone free (max 190°F).  
Silicone (max 390°F).

**FRAME DESIGNS:**

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



## MODEL P RANGE

MODEL	MEASURE (INCHES)				PLATE DISTANCE (INCHES)	FRAME DESIGN
	A	B	C45*	C90**		
600	23.62	9.84-47.24	32.64	33.43	0.11/0.13/0.18/0.24/0.30/0.35/0.41/0.47	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
850	33.45	11.81-47.24	46.57	47.32	0.12/0.14/0.16/0.20/0.26/0.31/0.37	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	0.11/0.13/0.18/0.24/0.30/0.35/0.41/0.47	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	0.12/0.14/0.16/0.20/0.26/0.31/0.37	2, 4, E
2000	78.74	13.78-47.24	-	111.34	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	2, 4, E
2250	100.39	13.78-47.24	-	141.97	0.12/0.14/0.16/0.20/0.26/0.31/0.37	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 AB reserves the right to introduce alterations without prior notice.