

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:

3800 Pa. 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:

90°C air temperature and 200°C 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).

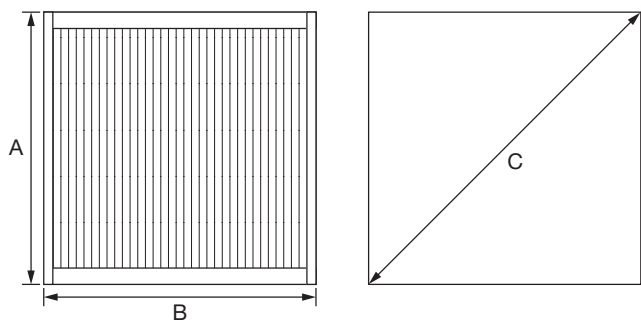
SEALING:

Silicone free (max 90°C).

Silicone (max 200°C).

FRAME DESIGNS:

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



MODEL P RANGE

MODEL	MEASURE (MM)				PLATE DISTANCE (MM)	FRAME DESIGN
	A	B	C45*	C90**		
600	600	250-1200	829	849	2.7/3.3/4.5/6.0/7.5/9.0/10.5/12.0	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
850	850	300-1200	1183	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	3.0/3.5/4.0/5.0/6.5/8.5/10.5/12.0	2, 4, E
2000	2000	350-1200	-	2828	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
2250	2250	350-1200	-	3606	3.0/3.5/4.0/5.0/6.5/8.5/10.5/12.0	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 AB reserves the right to introduce alterations without prior notice.