

CROSS FLOW HEAT EXCHANGER

MODEL H

PRODUCT DATA SHEET



Model H is Heatex' original cross flow plate heat exchanger with typical dry temperature efficiency up to 65% for a single pass and 85% for two-step arrangements.

Its well-proven plate design creates turbulence even at lower velocities which, combined with high channel heights, results in a low-pressure drop and a total increase in efficiency.

A wide range of options including painted frame work, epoxy coated plates and closed plate cutting edges will improve corrosion resistance and minimize air leakage even further. Custom made accessories like bypass and dampers are available for all our cross flow heat exchangers. Model H offers the widest set of options and configurations among our cross flow plate heat exchangers.

Model H is certified according to Eurovent, AHRI, ILH and TüvSüd. A lot of configurations comply with the Ecodesign Lot 6 requirements.

Heatex cross flow plate heat exchangers comply with hygiene standard EN 13779 and clean room standard DIN 1946 part 4.

AIR-TO-AIR HEAT EXCHANGERS

HEATEX

TECHNICAL SPECIFICATIONS

MODEL H

COMBINED MODULES SIZE:

7.87" - 118.1"

PLATE SIZE:

7.87" / 11.81" / 23.62" / 29.53" / 31.50" / 33.46" / 39.37"

PLATE MATERIAL:

Aluminium (standard)
Epoxy coated aluminium (improved corrosion protection)

GABLES:

Aluzinc (for plate size > 23.62")
Aluminium (for plate size < 11.81")

CORNER PROFILES:

Aluminium 90° (standard)
Aluminium 45°
Aluminium brush profile

SEALING:

190°F - Silicone free (standard)
390°F - Silicone
464°F - Silicone

MAXIMUM LEAKAGE (AT 400 PA DIFF. PRESSURE):

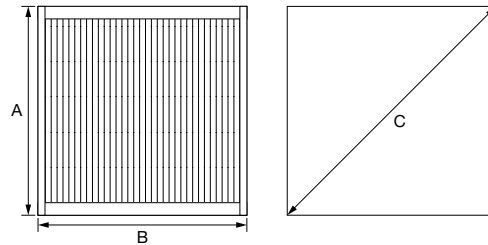
0.1% of nominal air flow for size > 11.81"
1% of nominal air flow for sizes < 11.81"
1% of nominal airflow with silicone sealant

MAXIMUM ALLOWED DIFFERENTIAL PRESSURE:

7.23" WC for most sizes
27.56" WC for size 7.87" and 11.81"

MAXIMUM ALLOWED TEMPERATURE AND

MODEL H RANGE



MEASURE (INCHES)					
MODEL	A	B	C45*	C90**	PLATE DISTANCE (INCHES)
200	7.87	3.94-23.62	10.43	11.14	0.06/0.08/0.09/0.11
300	11.81	3.94-23.62	15.98	16.69	0.07/0.09/0.12/0.16/0.2
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
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
800	31.49	11.81-47.24	-	44.53	0.13/0.18/0.24/0.30/0.35/0.41/0.47
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
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
1200	47.24	13.78-47.24	66.02	66.81	0.11/0.12/0.18/0.24/0.30/0.35/0.41/0.47
1500	59.06	13.78-47.24	82.76	83.54	0.13/0.18/0.24/0.30/0.35/0.41/0.47
1700	66.93	13.78-47.24	93.86	94.65	0.12/0.16/0.18/0.20/0.26/0.34/0.41/0.47
2000	78.74	13.78-47.24	110.6	111.34	0.13/0.15/0.20/0.24/0.30/0.35/0.41/0.47
2250	88.58	13.78-47.24	124.5	125.28	0.13/0.18/0.24/0.30/0.35/0.41/0.47/0.47
2550	100.39	13.78-47.24	141.2	141.97	0.12/0.16/0.18/0.20/0.26/0.34/0.41/0.47
3000	118.11	13.78-47.24	166.3	167.05	0.20/0.24/0.30/0.35/0.41/0.47

*45° corner profile.

**90° corner profile.

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