

## 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's performance is certified according to AHRI. All Heatex cross flow plate heat exchangers meet several hygiene requirements.

## TECHNICAL SPECIFICATIONS

# MODEL H

### COMBINED MODULES SIZE:

- 7.87" - 118.1"

### PLATE SIZE:

7.87" / 9.84" / 11.81" / 16.34" / 16.73" / 19.29" / 23.62" / 29.53" / 31.50" / 33.47" / 39.37"

### PLATE MATERIAL:

- Aluminium
- Epoxy

### END PLATES:

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

### CORNER PROFILES:

- 90° Aluminium
- 45° Aluminium
- Aluminium brush
- 90° Aluminium slotted

### MAX. ALLOWED TEMPERATURE AND SEALING:

- 190°F - Silicone free
- 390°F - Silicone
- 464°F - Silicone

### MIN. ALLOWED TEMPERATURE:

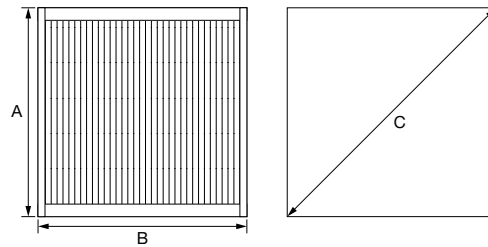
- -104°F

### MAX. LEAKAGE (IN %):

- 0.1% of nominal air flow for sizes > 16.73" at 1.6" WC
- 1% of nominal airflow for sizes < 16.73" at 1" WC
- 1% of nominal airflow for all models with silicone sealant

### MAX. ALLOWED DIFFERENTIAL PRESSURE:

- 7.23" WC for most sizes
- 2.81" WC for size 7.87" and 11.81"



## MODEL H RANGE

MODEL	MEASURE (INCHES)				PLATE DISTANCE (INCHES)
	A	B	C45*	C90**	
200	7.87	3.94-23.62	10.43	11.14	0.06/0.08/0.09/0.11
250***	9.84	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
415	16.34	7.87-27.56	21.57	23.11	3.3/4.2/5.0/6.5
425	16.73	7.87-39.37	23.11	23.66	3.3/4.2/5.0/6.5
490	19.29	9.84-39.37	26.65	27.28	2.8/3.3/4.2/5.0
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.

\*\*\* only released for Thermal Management.

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