

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 Eurovent, AHRI and TüvSüd. It can easily be configured to comply with Ecodesign 1253/2014 requirements. All Heatex cross flow plate heat exchangers meet several hygiene requirements.

TECHNICAL SPECIFICATIONS

MODEL H

COMBINED MODULES SIZE:

- 200 - 3000 mm

PLATE SIZE:

200 mm / 250 mm / 300 mm / 415 mm/ 425 mm/ 490 mm/
600 mm / 750 mm / 800 mm / 850 mm / 1000 mm

PLATE MATERIAL:

- Aluminium
- Epoxy

END PLATES:

- Aluzinc (for plate size > 600)
- Aluminium (for plate size < 300)

CORNER PROFILES:

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

MAXI. ALLOWED TEMPERATURE AND SEALING:

- 90°C - Silicone free
- 200°C - Silicone
- 240°C - Silicone

MIN. ALLOWED TEMPERATURE:

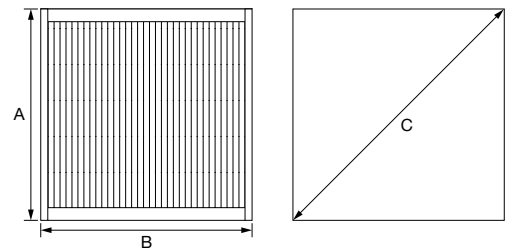
- -40°C

MAX. LEAKAGE:

- 0.1% of nominal air flow for sizes > 425 mm at 400 Pa
- 1% of nominal airflow for sizes < 425 mm at 250 Pa
- 1% of nominal airflow for all models with silicone sealant

MAX. ALLOWED DIFFERENTIAL PRESSURE:

- 1800 Pa for most sizes
- 700 Pa for size 200 mm and 300 mm



MODEL H RANGE

MODEL	MEASURE (MM)				PLATE DISTANCE (MM)
	A	B	C45*	C90**	
200	200	100-600	265	283	1.6/2.1/2.4/2.7
250***	250	100-600	265	283	1.6/2.1/2.4/2.7
300	300	100-600	406	424	1.8/2.2/3.0/4.0/5.0
415	415	200-700	548	587	3.3/4.2/5.0/6.5
425	425	200-1000	587	601	3.3/4.2/5.0/6.5
490	490	250-1000	677	693	2.8/3.3/4.2/5.0
600	600	250-1200	829	849	2.7/3.0/4.5/6.0/7.5/9.0/10.5/12.0
750	750	300-1200	1041	1061	3.3/4.5/6.0/7.5/9.0/10.5/12.0
800	800	300-1200	-	1131	3.3/4.5/6.0/7.5/9.0/10.5/12.0
850	850	300-1200	1182	1202	3.0/3.5/4.0/5.0/6.5/8.0/9.5
1000	1000	350-1200	1394	1414	3.3/3.7/5.0/6.0/7.5/9.0/10.5/12.0
1200	1200	350-1200	1677	1697	2.7/3.0/4.5/6.0/7.5/9.0/10.5/12.0
1500	1500	350-1200	2102	2122	3.3/4.5/6.0/7.5/9.0/10.5/12.0
1700	1700	350-1200	2384	2404	3.0/4.0/4.5/5.0/6.5/8.5/10.5/12.0
2000	2000	350-1200	2808	2828	3.3/3.7/5.0/6.0/7.5/9.0/10.5/12.0
2250	2250	350-1200	3162	3182	3.3/4.5/6.0/7.5/9.0/10.5/12.0
2550	2550	350-1200	3586	3606	3.0/4.0/4.5/5.0/6.5/8.5/10.5/12.0
3000	3000	350-1200	4223	4243	5.0/6.0/7.5/9.0/10.5/12.0

*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.