



ROTARY HEAT EXCHANGER

MODEL O

PRODUCT DATA SHEET

Heatex Model O is a thermal wheel ideal for installation in new air handling units or retrofitting in older units. The wheel is available for both vertical and horizontal assembly.

The characteristics for Model O is the new, unique geometry of the matrix. The wheel is well balanced and has smooth and levelled air in- and outlet sides. Model O is as standard provided with spokes, which give the wheel an excellent mechanical strength. To get an optimized design it is possible to get a customized wheel diameter combined with five optional well heights. Model O is available in aluminum as standard. Options for improved corrosion protection or enhanced moisture transfer are also available.

Significant for all Heatex heat exchangers is the great possibility to narrow down the optimal thermal design within a rich scope of standard design options and materials. Using our calculation tool, Heatex Select, you can easily design your unit to fit your preferences.

TECHNICAL SPECIFICATIONS

MODEL O

MAXIMUM ALLOWED DIFFERENTIAL PRESSURE:

Up to 600 Pa.

MAXIMUM ALLOWED PRESSURE DROP:

300 Pa for below \varnothing 1600 mm.
250 Pa for larger than \varnothing 1600 mm.

RECOMMENDED PRESSURE DROP:

100-200 Pa.

AIR TEMPERATURE LIMITS:

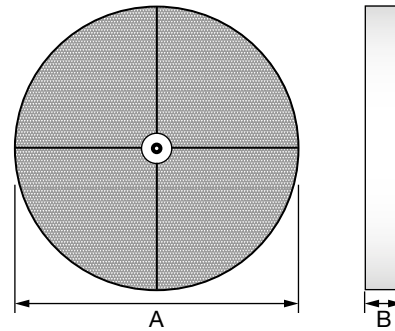
Maximum 65°C and minimum -40°C air temperatures.

BEARINGS:

Standard ball bearings for vertical applications. Angular contact bearings for wheels in horizontal applications.

MATRIX MATERIAL:

Aluminum is standard. Epoxy coated aluminum is an option for improved corrosion protection. Silica gel or molecular sieve coated aluminum are options for enhanced moisture transfer. An aluminum and silica gel coated aluminum hybrid version is also available.



MODEL O RANGE

STANDARD DIMENSIONS (MM)*		
A	B	WELL HEIGHT VERSION**
500	200	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
600	200	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
700	200	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
800	200	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
900	200	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
1000	200	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
1100	200	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
1200	200	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
1300	200	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
1400	200	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
1500	200	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
1600	200	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
1700	200	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
1800	200	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
1900	200	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
2000	200	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
2100	200	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
2200	200	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
2300	200	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
2400	200	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
2500	200	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5

*Other dimensions between 500 and 2500 mm are available upon request.

** The exact well height depends on the thickness of the material selected. See technical manual for exact dimensions.

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