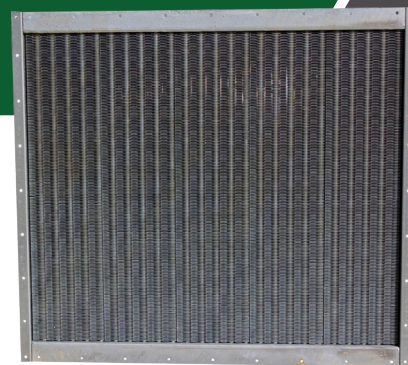




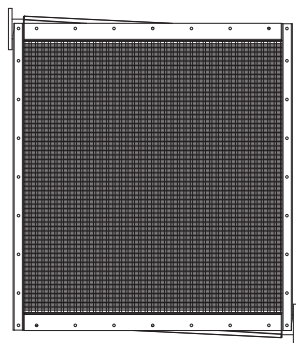
DRYING

HEAT EXCHANGER VG-46 SIMPLEX



GENERAL

Brand	Cimbria
Designation	Heat exchanger
Model	VG-46 Simplex
Use	Industry
Application	Heating air for use in Cimbria continuous flow dryers.



DIMENSIONS

Overall width	1 118 mm
Overall height	1 306 mm
Overall depth	400 mm

VOLUME AND WEIGHT

Volumetric capacity	27 l
Weight, empty	195 kg

WATER SUPPLY

Water temperature	From -2°C to +110°C
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ENVIRONMENTAL CONDITIONS

Environment	Indoors or outdoors
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MATERIALS

Frame, tube and fins	Steel, hot-dip galvanized (internal and external)
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LIFETIME

Intended life limit	20 years
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PERFORMANCE

Water temperature [°C]	Water cooling [ΔT°C]	Air volume flow [m³/h]	Air resistance [Pa]	Air temperature [°C]	Water volume flow [m³/h]	Water resistance [hPa]	Effect [kW]	
75	5	6 000	18	50	18	101	73	
		9 000	37	46	22	145	94	
		12 000	67	42	25	171	107	
	10	6 000	18	46	7	14	65	
			9 000	37	43	8	16	89
			12 000	67	40	9	22	111
15	6 000	18	44	4	4	59		
		9 000	37	41	5.6	6	79	
		12 000	67	39	6.7	7	96	
90	10	6 000	18	54	8	21	79	
		9 000	37	49	9	33	106	
		12 000	67	45	10	44	129	
	15	6 000	18	55	5	9	78	
		9 000	37	50	7	16	99	
		12 000	67	48	8	23	119	
	20	6 000	18	47	4	7	66	
		9 000	37	45	5	9	90	
		12 000	67	42	6	13	106	
100	10	6 000	18	60	9	32	96	
		9 000	37	55	12	46	129	
		12 000	67	51	13	59	159	
	15	6 000	18	57	6	15	89	
		9 000	37	53	8	25	121	
		12 000	67	49	10	34	147	
	20	6 000	18	54	4	7	80	
		9 000	37	49	5	11	107	
		12 000	67	46	6	17	131	

* Test conditions: Ambient temperature: 15°C; Relative humidity: 75%