

HEAT EXCHANGER VG-44 SIMPLEX

GENERAL

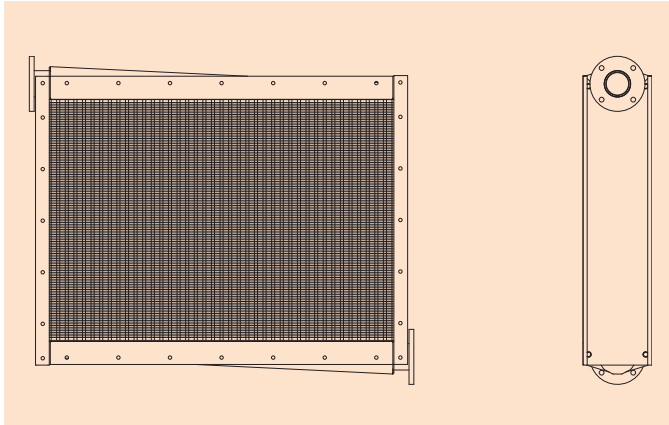
Brand	Cimbria
Designation	Heat exchanger
Model	VG-44 Simplex
Use	Industry
Application	Heating air for use in Cimbria continuous flow dryers.

DIMENSIONS

Overall width	1 118 mm
Overall height	954 mm
Overall depth	200 mm

VOLUME AND WEIGHT

Volumetric capacity	23 l
Weight, empty	158 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	37	40	9	47	52	
		9 000	85	35	10	61	61	
		12 000	150	31	11	72	67	
	10	6 000	37	39	4	17	50	
			9 000	85	34	5	20	58
			12 000	150	31	5	23	64
		15	6 000	37	38	3	12	48
			9 000	85	33	3	13	56
			12 000	150	30	3	14	61
90	10	6 000	37	46	5	22	63	
		9 000	85	39	6	28	74	
		12 000	150	35	7	31	81	
	15	6 000	37	45	4	14	61	
		9 000	85	38	4	16	72	
		12 000	150	34	4	18	78	
		20	6 000	37	44	3	11	59
			9 000	85	37	3	12	69
			12 000	150	33	3	13	76
	100	10	6 000	37	50	6	26	73
			9 000	85	43	7	33	85
			12 000	150	38	8	38	93
15		6 000	37	49	4	16	70	
		9 000	85	42	5	19	82	
		12 000	150	37	5	21	90	
		20	6 000	37	48	3	12	68
			9 000	85	41	3	14	80
			12 000	150	36	4	15	87

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