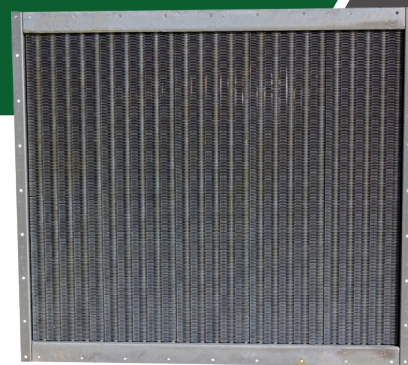


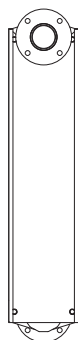
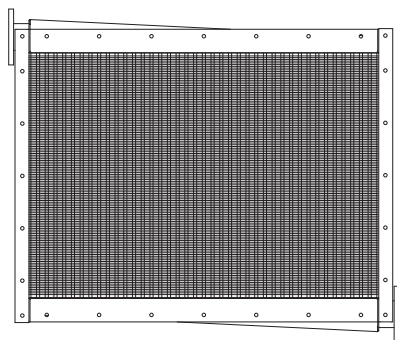
 DRYING

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	1118 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	55	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%