

Application Field of Steam Generators Technical datasheet

Indications are made by theoretical calculations and experience.

Please note:

Influencing factors are the size of steam generator, size of air compressor, quality of steam, groundwater level, ambient and system temperature, type of resin and thickness of liner.

Steam temperature of 100°C and 1 bar pressure		Steam Generator Power in kg/h										
		3 kg/h	6 kg/h	50 kg/h	150 kg/h	200 kg/h	300 kg/h	400 kg/h	500 kg/h	600 kg/h	700 kg/h	800 kg/h
Necessary quantity of air m ³ /min		0,06	0,12	1,00	3,00	4,00	6,00	8,00	10,00	12,00	14,00	16,00
Necessary quantity of air Liter/min		60	120	1000	3000	4000	6000	8000	10000	12000	14000	16000
Diameter mm	100	3.2 m	6.4 m	53 m	159 m	212 m	318 m	425 m	531 m	637 m	743 m	849 m
	125	2.5 m	5.1 m	42 m	127 m	170 m	255 m	340 m	425 m	510 m	594 m	679 m
	150	2.1 m	4.2 m	35 m	106 m	142 m	212 m	283 m	354 m	425 m	495 m	566 m
	200	1.6 m	3.2 m	27 m	80 m	106 m	159 m	212 m	265 m	318 m	372 m	425 m
	225	1.4 m	2.8 m	24 m	71 m	94 m	142 m	189 m	236 m	283 m	330 m	377 m
	250	1.3 m	2.5 m	21 m	64 m	85 m	127 m	170 m	212 m	255 m	297 m	340 m
	300	1.1 m	2.1 m	18 m	53 m	71 m	106 m	142 m	177 m	212 m	248 m	283 m
	350	0.9 m	1.8 m	15 m	45 m	61 m	91 m	121 m	152 m	182 m	212 m	243 m
	400	0.8 m	1.6 m	13 m	40 m	53 m	80 m	106 m	133 m	159 m	186 m	212 m
	450	0.7 m	1.4 m	12 m	35 m	47 m	71 m	94 m	118 m	142 m	165 m	189 m
	500	0.6 m	1.3 m	11 m	32 m	42 m	64 m	85 m	106 m	127 m	149 m	170 m
	550	0.6 m	1.2 m	10 m	29 m	39 m	58 m	77 m	97 m	116 m	135 m	154 m
	600	0.5 m	1.1 m	8.8 m	27 m	35 m	53 m	71 m	88 m	106 m	124 m	142 m
	650	0.5 m	1.0 m	8.2 m	24 m	33 m	49 m	65 m	82 m	98 m	114 m	131 m
	700	0.5 m	0.9 m	7.6 m	23 m	30 m	45 m	61 m	76 m	91 m	106 m	121 m
	800	0.4 m	0.8 m	6.6 m	20 m	27 m	40 m	53 m	66 m	80 m	93 m	106 m
	900	0.4 m	0.7 m	5.9 m	18 m	24 m	35 m	47 m	59 m	71 m	83 m	94 m
	1000	0.3 m	0.6 m	5.3 m	16 m	21 m	32 m	42 m	53 m	64 m	74 m	85 m
1100	0.3 m	0.6 m	4.8 m	14 m	19 m	29 m	39 m	48 m	58 m	68 m	77 m	
1200	0.3 m	0.5 m	4.4 m	13 m	18 m	27 m	35 m	44 m	53 m	62 m	71 m	

Steam volume required for 1 m² Linersurface = 3 kg/h

Air volume required for 1 kg/h steam = 0,02 m³/min