

# Steam Generators

**Water supply** - Minimum working pressure 0.5 bar. Maximum working pressure 10 bar. 3/4" male thread, for connection to washing machine type hose. All steam generators will require about 1.5litres of water per kw per hour. Additionally the auto-flush will normally use about 6 l/h (to reduce the build up of scale)

**Steam generation** - Up to 1.4kg of steam per kW per hour. Constant steam. Steam Outlet (Model CK7732 supplied with 2 x outlets). 15mm = max length 9m. 22mm = max length 20m. If pipe is longer than 10m add an extra kW.

### Steam pressure safety features

- 1 - Manual reset cut out.
- 2 - Pressure safety valve.

**Construction** - Corrosion resistant Zinc plated steel external casing. Internal components are of corrosion resistant materials.

**Elements** - Incoloy industrial rated elements, each 3kW 240 volts, approx 20 ohms resistance.

**CK7730/9A** - Elements protected with manual reset hi-limit. The system must be fused correctly to suit the above supply current requirements. Control electronics are protected by a 3.15 Amp slow blow fuse.

**CK7731B-CK7732** - Elements protected with manual reset hi-limit. Controls and essence dosing unit protected internally with 5 amp max cartridge fuse. Unit must be externally protected by appropriate fuses or MCB's

**Heat exchanger** - Stainless steel tank with maintenance access via top access cap(s) for cleaning

**Patent design auto flushing unique reduction system** - Water softener not required if regular cleaning is carried out or a ZZ7842 descaler system is fitted. Waste size 15mm depositing to a washing machine stand pipe or other suitable outlet.



### Certikin Steam Generators - Domestic Use

Code	Description
CK7730/9A	Certikin 3-6-9 kW adjustable 1Ø or 3Ø - auto flush

### Certikin Steam Generators - Commercial Use

CK7731B	Certikin 6-9-12 kW adjustable generator 1Ø or 3Ø - auto flush
CK7732	Certikin 18-24 kW adjustable generator 3Ø - auto flush

Sizing Chart for CK7730/9A- Domestic Model

	Cubicle size for masonry material	Cubicle size for plastic material	Supply Current	Power Supply	Power Supply
	M <sup>3</sup>	M <sup>3</sup>	Amps	1 Phase	3 Phase
3kW	1.0 to 2.0m	0 to 4.5m	12.5	1.5mm.sq	1.5mm.sq
6kW	2.0 to 4.7m	6.0 to 12.0m	25	4.0mm.sq	1.5mm.sq
9kW	4.7 to 8.0m	14.0 to 18.0m	37.5	6.0mm.sq	1.5mm.sq

Sizing Chart for CK7731B and CK7732- Commercial Models

	Cubicle size for masonry material	Cubicle size for plastic material	Supply Current	Power Supply	Power Supply
	M <sup>3</sup>	M <sup>3</sup>	Amps	1 Phase	3 Phase
6kW	2.5 to 8.0m	4.0 to 15.0m	25	4.0mm.sq	1.5mm.sq
9kW	7.0 to 16.0m	13.0 to 24.0m	38	6.0mm.sq	1.5mm.sq
12kW	14.0 to 20.0m	22.0 to 30.0m	50	3 phase only	4.0mm.sq
18kW	18.0 to 30.0m	28.0 to 40.0m	76	3 phase only	4.0mm.sq
24kW	28.0 to 40.0m	38.0 to 50.0m	100	3 phase only	6.0mm.sq

If cubicle is not square allow 1/2 kW for masonry material and 1/4 kW for plastic material per extra square metre of surface created. These examples are for a cubicle at 40°C. For higher temperatures additional power or lagging may be required. (Also medical advice should be obtained before use at temperatures above 40°C)

### Electrical Supply

CK7730/9A	3,6 & 9 kW adjustable	1 or 3-phase	220-240 volts AC 50-60 Hz
CK7731B	6,9 & 12 kW adjustable	1 or 3-phase	220-240 volts AC 50-60 Hz
CK7732	18 & 24 kW adjustable	3-phase only	220-240 volts AC 50-60 Hz

Cable size must be determined before installation and adequate for the maximum power to be set. Electronic controls, factory wired, (plug in) 12 v DC.(Commercial Models have 7 day timer, computer link).