

ELECTRIC BOILER - PT INDIRA MITRA BOILER

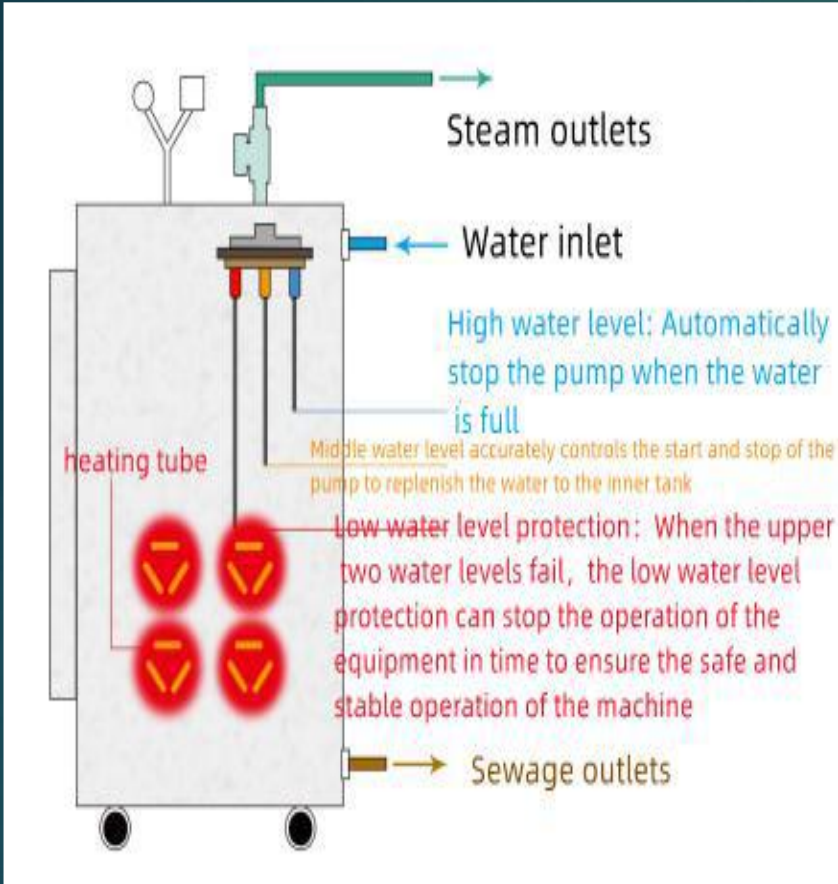




Fully Automatic Electric Steam Generator Principle and Structure

The electric heating steam generator mainly consists of a water supply system, an automatic control system, a furnace and heating system, and a safety protection system. Its basic working principle is: through a set of automatic control devices, the liquid controller or high, medium, and low level probes feedback control the opening and closing of the water pump, the length of water supply, and the heating time of the furnace chamber during operation. The high steam pressure set by the pressure relay decreases continuously with the continuous output of steam. When it is at low or medium water level, the water pump automatically replenishes water. When it reaches high water level, the water pump stops replenishing water. At the same time, the electric heating tube inside the furnace continues to heat, generating steam. The pointer pressure gauge on the panel or upper part immediately displays the steam pressure value, and the entire process can be automatically displayed through the LCD panel. Steam is used for external output, while the heat medium steam condenses into water droplets and returns to the electrode for reheating and vaporization, completing the entire cycle.

Electric heating steam generators produce high amounts of hot water and steam, are easy to operate, have low noise, operate in a safe environment, are highly reliable, durable, and have a long lifespan, making them a good replacement for traditional boilers.



Product advantages

More reliable - thickened stainless steel body panel

Thickened all stainless steel body, thickened 1.2mm non-magnetic stainless steel panel, thick and stable, Corrosion and oxidation resistance fully reflect the sense of quality and safety

Safer - ABB Imported Components

Safe circuit design, control system using Schneider imported components with clear circuit lines and neat wiring Reasonable and easy to maintain. One click start microcomputer control, water shortage prompt, low water level protection, Constant temperature control over pressure protection, no need for annual inspection or reporting, efficient, energy-saving, green and environmentally friendly.

More energy-efficient - tungsten energy gathering heating tube

Tungsten energy gathering heating tube, graded control, multiple heating groups, water electricity separation design, high thermal efficiency

Model		Unit	LDR0.066-0.8	LDR0.1-0.8	LDR0.15-0.8	LDR0.2-0.8	LDR0.26-0.8	LDR0.5-0.8
steam capacity		Kg	66	100	150	200	260	500
steam pressure		MPa	0.8	0.8	0.8	0.8	0.8	0.8
Thermal efficiency		%	98	98	98	98	98	98
steam temperature		℃	170	170	170	175	170	170
Water volume		L	<50	<50	<50	<50	<50	<50
Consumption		kw	48	72	108	144	192	360
Power supply		Hz	380v 50hz Three-phase	380v 50hz Three-phase	380v 50hz Three-phase	380v 50hz Three-phase	380v 50hz Three-phase	380v 50hz Three-phase
	Heating pipe	Root	4	4	8	8	8	16
	Air switch	A	≥350A	≥350A	≥350A	≥350A	≥350A	≥350A
	Cable	mm	≥50mm ²	≥50mm ²	≥50mm ²	≥50mm ²	≥50mm ²	≥50mm ²
	Water Inlet diameter	mm	DN20	DN20	DN20	DN20	DN20	DN20
	outlet diameter	mm	DN20	DN20	DN20	DN20	DN20	DN20
	Steam outlet	mm	DN20	DN20	DN20	DN20	DN20	DN20
Size	Size	mm	600*920*1550	600*920*1550	700*1560*1600	700*1560*1600	700*1560*1600	700*2360*1600
	weight	kg	210	210	408	408	408	648
Control cabinet	Control cabinet form	/	Embedded	Embedded	Embedded	Embedded	Embedded	Embedded
	Electric control accessories	/	ABB	ABB	ABB	ABB	ABB	ABB

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