

Pure Steam Generator



Ideal for generation of sterile pyrogen free steam used in the steam sterilizers and for SIP of vessels, pipelines, lyophilizers, etc.

DESCRIPTION

Pure Steam Generator meets the ASME, BPE & cGMP specifications. Pure Steam Generator produces pyrogen free sterile steam for sterilization which meets international standards including Indian, British & United States Pharmacopoeia. The Pure steam generated is widely used in medical field, biochemical, piping & tank & sterilization. The Pure steam produced from PSG is according to FINN AQUA Design & it is low maintenance & low operational costs.

SALIENT FEATURES

- All Contact Parts are in AISI 316/AISI SS 316L
- To assure High Purity Steam quality & increase the life of equipment Inner Contact Surfaces are electro
- Double Tube Sheets is constructed in the first column where boiler steam is present
- Sanitary Tricolor fittings are used for quick & easy preventive maintenance
- All pipes & Tubes are seamless & gaskets made from PTFE material
- PLC based system for automated operation with all required inter locks & validated logic with skid mounted AISI SS 304 control panel with printing facility
- High Purity Flow Diversion Valve is provided for protection of High Purity Steam Quality
- Insulation is made with 3cm Mineral Wool covered by AISI 304 Stainless Steel sheet
- Magnetic Control System is provided for first column to control Water i.e. High Level & Low Level
- Fast response to Pure Steam demand.

OPTIONAL FEATURES

- Fully Automatic Plant supplied with boiler steam & feed water flow rate
- All pipes & tubes are as per ASME & BPE stamping with less than 0.5 Ra
- Double tube sheet for all pre heaters & both top coolers
- Magnetic Float Switch is provided for Surge Tank to control Water i.e., High level & Low Level
- Air Eliminator is provided for removing toxic gases

Technical Specification

Model	Capacity	Feed Water	Industrial Steam Dry & Saturated	Output	EST. WT.	Dimensions
	Kg / Hr.	7 Kg / CM ²	6 Kg / CM ²	3 Kg / CM ²	Kg	L x W x H
J / PSG 100	100	120	125	100	185	950 x 900 x 2450
J / PSG 150	150	180	185	150	225	1100 x 1100 x 2450
J / PSG 200	200	240	250	200	300	1100 x 1100 x 2450
J / PSG 300	300	360	375	300	330	1100 x 1100 x 2450
J / PSG 500	500	600	625	500	530	1500 x 1225 x 3050
J / PSG 750	750	900	925	750	650	1500 x 1300 x 3050
J / PSG 1000	1000	1200	1250	1000	800	1600 x 1500 x 3550
J / PSG 1500	1500	1800	1875	1500	1200	1550 x 1000 x 3600

- Plant steam 6 bar-dry and saturated
- Feed water (purified water) at 30 to 35 deg. °C



Aureole Process Equipment Pvt. Ltd.

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