

Superheated Water Sterilizer APWR-01



Our plant assure sterilization in conformity with good manufacturing practices for LVPs, SVP etc. and in accordance with the cGMP issued by FDA. In short, excellent engineering coupled with efficient manufacturing.

Superheated water shower method is an efficient process for the sterilization of sealed containers. The process water is circulated through sanitary pumps via heat exchanger. Industrial steam or cooling water is admitted to the external heat exchanger.

Circulation pump is designed for high circulation performance, uniform temperature rise during heating and optimal temperature distribution during sterilization.

External heat exchanger is FDA-compliant double-tube sheet heat exchanger or plate heat exchanger.

Features:

- The panel use LCD touch screen control.
- Program Flow: Use PLC control, for ease of operation and provide three sterilization programs or by customer specifications.
- Simple & safe operation: The automatic programs provide with complete and safety control to ensure safe operating condition.
- Temperature recorder for continuous monitoring and recording of the sterilization process.

Specification:

- Sterilization chamber in SUS 316, SUS 316l and SUS 316Ti stainless steel.
- Piping and valves directly connected with chamber in stainless steel.
- Chamber piping all valves and fittings are sanitary class.
- Insulation by Glass wool.
- Automatic temperature controller.
- Automatic temp. Recorder - 6 points or 12 points.

- Sealed Door Packing: Use heat-resistant silicon rubber material ring packing.
- Absolute air vent filter for prevention of sterilized product contamination.
- One door or pass through type double doors.
- Single wall (cylindrical chamber) or double walls (parallelepiped chamber) body.
- All control and safety components are adapted to the higher temperature and pressure.

Standard Model (APSR, ASWR, APST, EOG)	Capacity (Liter)	Steam Consumption (kg/Hr)	Chamber Dimension			External Dimension		
			(W x H x D) (m/m)			(W x H x D) (m/m)		
			W	H	D	W	H	D
200	200	55	500	500	800	1200	2000	1100
360	360	60	600	600	1000	1350	2100	1300
480	480	100	600	800	1000	2000	2150	1300
600	600	120	600	1000	1000	2000	2150	1300
1000	1000	150	800	1000	1250	2800	2300	1550
1200	1200	150	1000	1000	1200	3100	2300	1500
1500	1500	160	1000	1000	1500	3100	2300	1500
1800	1800	160	1000	1200	1500	3100	2500	1800
2160	2160	200	1200	1200	1500	3300	2500	1800
5400	5400	250	1200	1500	3000	3300	2800	3300