



SUPERHEATED WATER STERILIZERS

Inoxtorres design and manufacture Superheated Water Sterilizers for the sterilization of any liquid placed into closed containers (bottles, IV bags, etc.)



Description:

The superheated water sterilization equipment are cylindrical type, with rectangular doors in order to be adapted to the trolleys. The doors can be automatically opened or closed from the SCADA.

The optimised water recirculation system works thanks to an efficient centrifugal water pump and a main heat exchanger (for heating and cooling the load). A special plenum is installed inside the chamber in order to allow a perfect water distribution to the product, ensuring an excellent temperature uniformity.

Our standard designs go from a 1.000l up to 32.000l (useful volume), but the dimensions and design can be adjusted according final user needs.

Several advantages for our superheater water sterilizers:

- Flexible design, according final user requirements.
- High efficiency, optimizing energy consumption and cycle time.
- Use of well known brands for all the components.
- A perfect temperature uniformity.
- Well proven control system using SCADA and able to improve the cycles thanks to automatic control of the pressure (guaranteeing no deformation on the product to sterilize).
- High quality equipment based on optimized GMP design, fulfilling the most stringent European standards.

SAFETY:

For INOXTORRES, safety should be a priority for personal as well as for the Sterilization equipment. For that, the equipment have many technical features an specifications leading to a safe use:

- Full instrumentation (safety valves, transducers, pressure switches, etc...).
- Automatic door locking system.
- Emergency stop on the frontal panel.
- Photocells on each doors for an optimum protection during opening and closing operations.
- Control system giving visual and audible alarms.

OPTIONS:

- Steam + air sterilization cycle.
- Vertical doors.
- Mechanical polishing $Ra < 0,6$.
- Pit mounting.
- Automatic loading and unloading system.
- Lateral panels.
- Software validation.
- Chart recorder.
- Limit switches on pneumatic valves.
- Trays, Carts and transfer trolleys.



RANGE OF PRODUCT “LPS Models” * :

MODELS	USEFUL WIDTH (mm)	USEFUL HEIGHT (mm)	USEFUL DEPTH (mm)	USEFUL CHAMBER VOLUME (l)	APPROX LOAD CAPACITY (500ML - 96x48x214)
LPS 101010	1.000	1.000	1.000	1.000	256 uds
LPS 101020	1.000	1.000	2.000	2.000	544 uds
LPS 101030	1.000	1.000	3.000	3.000	864 uds
LPS 101220	1.000	1.200	2.000	2.400	816 uds
LPS 101230	1.000	1.200	3.000	3.600	1.296 uds
LPS 121220	1.200	1.200	2.000	2.880	1.020 uds
LPS 121230	1.200	1.200	3.000	4.320	1.620 uds
LPS 121240	1.200	1.200	4.000	5.760	2.160 uds
LPS 121520	1.200	1.500	2.000	3.600	1.360 uds
LPS 121540	1.200	1.500	4.000	7.200	3.000 uds
LPS 121560	1.200	1.500	6.000	10.800	4.400 uds
LPS 121580	1.200	1.500	8.000	14.400	5.880 uds
LPS 1215100	1.200	1.500	10.000	18.000	7.020 uds
LPS 151520	1.500	1.500	2.000	4.500	1.728 uds
LPS 151540	1.500	1.500	4.000	9.000	3.888 uds
LPS 151560	1.500	1.500	6.000	13.500	5.720 uds
LPS 151580	1.500	1.500	8.000	18.000	7.776 uds
LPS 1515100	1.500	1.500	10.000	22.500	9.464 uds
LPS 1515120	1.500	1.500	12.000	27.000	12.096 uds
LPS 1515140	1.500	1.500	14.000	31.500	13.520 uds

* Dimensions could be adjusted according customer requirements.