

[TS] TERMINAL STERILIZERS



Advanced Solutions for Infection Control



DESIGNED FOR

LAST Technology's Terminal Sterilizers (models TS-AS and TS-OW) are specifically designed for sterilization of liquids contained in sealed containers (plastic bags, glass bottles, BFS bottles, vials, syringes, and ampoules) providing automatic differential pressure compensation. This control prevents the deformation or discoloration of the plastic containers.

PROCESS FEATURES

The Terminal Sterilizers were developed in accordance with GAMP and cGMP regulations and include both user customizable programming and pre-programmed cycles. The **TS-AS** model utilizes Air + Steam Mixture for sterilization and is fitted with an integrated ventilator system for mixing clean steam with air, which becomes the sterilization media. The **TS-OW** model utilizes the principle of hot water cascade for sterilization. This method allows for faster cycle times for sterilization of liquids and guarantees excellent distribution of the heat during all sterilization phases (temperature deviation below ± 1 °C).

Last Technology systems offer innovative design, energy savings, reduced foot-print dimensions, environmental sustainability, user friendly solutions and easy validation

LAST TS 6 17



AWS BIO-PHARMA TECHNOLOGIES

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**TECHNICAL DATA FOR TS-AS (AIR + STEAM MIXTURE)
DOORS OF VERTICAL OR SIDE SLIDING TYPE**

MODEL	CHAMBER DIMENSIONS [mm / INCHES]				USEFUL CAPACITY [LITERS / CU. FT]	OVERALL DIMENSIONS [mm / INCHES]		
	DIAMETER	WIDTH	HEIGHT	LENGTH		WIDTH	HEIGHT	LENGTH
TS-AS 250	900 / 35.5	600 / 23.5	600 / 23.5	700 / 27.5	250 / 9	1100 / 43.5	1900 / 75	1050 / 41.5
TS-AS 500	900 / 35.5	600 / 23.5	600 / 23.5	1400 / 55	500 / 17.5	1100 / 43.5	1900 / 75	1750 / 69
TS-AS 1000	1200 / 47	800 / 31.5	800 / 31.5	1600 / 63	1000 / 35.5	2200 / 86.5	2300 / 90.5	1950 / 77
TS-AS 2000	1200 / 47	800 / 31.5	800 / 31.5	3100 / 122	2000 / 70.5	2200 / 86.5	2300 / 90.5	3450 / 136
TS-AS 3000	1600 / 63	1000 / 39	1000 / 39	3000 / 118	3000 / 106	2400 / 94.5	2500 / 98.5	3350 / 132
TS-AS 4000	1600 / 63	1000 / 39	1000 / 39	4000 / 157.5	4000 / 141	2400 / 94.5	2500 / 98.5	4350 / 171
TS-AS 5000	1600 / 63	1000 / 39	1000 / 39	5000 / 197	5000 / 176.5	2400 / 94.5	2500 / 98.5	5350 / 210.5
TS-AS 6000	2000 / 79	1250 / 49	1600 / 63	3000 / 118	6000 / 212	3000 / 118	3000 / 118	3350 / 132
TS-AS 7000	2000 / 79	1250 / 49	1600 / 63	3500 / 138	7000 / 247	3000 / 118	3000 / 118	3850 / 151.5
TS-AS 8000	2000 / 79	1250 / 49	1600 / 63	4000 / 157.5	8000 / 282.5	3000 / 118	3000 / 118	4350 / 171
TS-AS 9000	2000 / 79	1250 / 49	1600 / 63	4500 / 177	9000 / 318	3000 / 118	3000 / 118	4850 / 191
TS-AS 10000	2000 / 79	1250 / 49	1600 / 63	5000 / 197	10000 / 353	3000 / 118	3000 / 118	5350 / 210.5
TS-AS 11000	2000 / 79	1250 / 49	1600 / 63	5500 / 216.5	11000 / 388.5	3000 / 118	3000 / 118	5850 / 230
TS-AS 12000	2000 / 79	1250 / 49	1600 / 63	6000 / 236	12000 / 424	3000 / 118	3000 / 118	6350 / 250

**TECHNICAL DATA FOR THE TS-OW (OVER HEATED WATER)
DOORS OF VERTICAL OR SIDE SLIDING TYPE**

MODEL	CHAMBER DIMENSIONS [mm / INCHES]				USEFUL CAPACITY [LITERS / CU. FT]	OVERALL DIMENSIONS [mm / INCHES]		
	DIAMETER	WIDTH	HEIGHT	LENGTH		WIDTH	HEIGHT	LENGTH
TS-OW 250	900 / 35.5	600 / 23.5	600 / 23.5	700 / 27.5	250 / 9	1100 / 43.5	1900 / 75	1050 / 41.5
TS-OW 500	900 / 35.5	600 / 23.5	600 / 23.5	1400 / 55	500 / 17.5	1100 / 43.5	1900 / 75	1750 / 69
TS-OW 1000	1200 / 47	800 / 31.5	800 / 31.5	1600 / 63	1000 / 35.5	2200 / 86.5	2300 / 90.5	1950 / 77
TS-OW 2000	1200 / 47	800 / 31.5	800 / 31.5	3100 / 122	2000 / 70.5	2200 / 86.5	2300 / 90.5	3450 / 136
TS-OW 3000	1600 / 63	1000 / 39	1000 / 39	3000 / 118	3000 / 106	2400 / 94.5	2500 / 98.5	3350 / 132
TS-OW 4000	1600 / 63	1000 / 39	1000 / 39	4000 / 157.5	4000 / 141	2400 / 94.5	2500 / 98.5	4350 / 171
TS-OW 5000	1600 / 63	1000 / 39	1000 / 39	5000 / 197	5000 / 176.5	2400 / 94.5	2500 / 98.5	5350 / 210.5
TS-OW 6000	2000 / 79	1250 / 49	1600 / 63	3000 / 118	6000 / 212	3000 / 118	3000 / 118	3350 / 132
TS-OW 7000	2000 / 79	1250 / 49	1600 / 63	3500 / 138	7000 / 247	3000 / 118	3000 / 118	3850 / 151.5
TS-OW 8000	2000 / 79	1250 / 49	1600 / 63	4000 / 157.5	8000 / 282.5	3000 / 118	3000 / 118	4350 / 171
TS-OW 9000	2000 / 79	1250 / 49	1600 / 63	4500 / 177	9000 / 318	3000 / 118	3000 / 118	4850 / 191
TS-OW 10000	2000 / 79	1250 / 49	1600 / 63	5000 / 197	10000 / 353	3000 / 118	3000 / 118	5350 / 210.5
TS-OW 11000	2000 / 79	1250 / 49	1600 / 63	5500 / 216.5	11000 / 388.5	3000 / 118	3000 / 118	5850 / 230
TS-OW 12000	2000 / 79	1250 / 49	1600 / 63	6000 / 236	12000 / 424	3000 / 118	3000 / 118	6350 / 250

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