SPRAY OR CASCADE AUTOCLAVES

MC EST/SP-1264 · CONSTRUCTION TECHNICAL DATA

EQUIPMENT OVERVIEW

Sterilization autoclaves are pressure vessels manufactured and approved to work at varied pressures and temperatures, controlled by programmable digital microprocessors with pressure, time and temperature settings, and all the other elements needed to do their job.

Our autoclaves are suitable for different sectors, such as the food industry in general or the pharmaceutical industry, and comply with the following European standards and directives.

STANDARDS AND DIRECTIVES

- Pressure Equipment Directive 2014/68/UE
- Royal Decree 2060/2008 of 12 December (Spanish Pressure Equipment Regulation)
- Royal Decree 560/2010 of 7 May (amendments to the Pressure Equipment Regulation)
- Equipment design manual
- Welding of the pressure equipment according to procedures WPS:SM-01, WPS:GM/AI-01 and WPS:TIG/AI-01; inspection by an authorized control body with a hydraulic test at 4,5 bar for 60 minutes, using water at room temperature





CONSTRUCTION DATA

Parameter	2 trolleys	4 trolleys	5 trolleys	6 trolleys
Outside diameter	1.276 mm	1.276 mm	1.276 mm	1.276 mm
Volume	2,84 m^3	5,40 m^3	6,89 m^3	8,15 m^3
Design pressure	3 kg/cm^2	3 kg/cm^2	3 kg/cm^2	3 kg/cm^2
Design temperature	140 °C	140 °C	140 °C	140 °C
Voltage	380 V 50 Hz (*)	380 V 50 Hz (*)	380 V 50 Hz (*)	380 V 50 Hz (*)

(*) Other voltages and frequencies on request.

SPRAY OR CASCADE AUTOCLAVES

MC EST/SP-1264 · CONSUMPTION

CONSUMPTION BY LOAD CAPACITY

Parameter	2 trolleys	4 trolleys	5 trolleys	6 trolleys
Diameter	Ø 1.276 mm	Ø 1.276 mm	Ø 1.276 mm	Ø 1.276 mm
Steam supply pressure	6 kg/cm²	6 kg/cm²	6 kg/cm²	6 kg/cm²
Water supply pressure	4 kg/cm²	4 kg/cm²	4 kg/cm²	4 kg/cm²
Air supply pressure	6 kg/cm²	6 kg/cm²	6 kg/cm²	6 kg/cm²
Steam consumption during heating (kg/h)	450 - 500	800 - 900	1.050 - 1.100	1.150 - 1.200
Steam consumption during holding (kg/h)	175 - 200	275 - 300	325 - 350	375 - 425
Cooling water, recovered (l/cycle)	2.000	4.000	5.000	6.000
Process water, lost (l/cycle)	300	520	800	885
Air at the start of cooling (l/min per cycle)	150 - 200	225 - 275	275 - 325	325 - 375
Power consumption (at 50 Hz)	7,5 kW	7,5 kW	7,5 kW	7,5 kW



