

BIOPUREMAX

Bringing Technology to Pharmaceutical Water

Steam Sterilizers

Pharma and Biotech Industry

Biopuremax Steam Sterilizer

Biopuremax steam sterilizer units are designed to eliminate viable microbial life, achieving sterility levels in full compliance with the most stringent global pharmaceutical standards.

Biopuremax Steam Sterilizers - Added Values

- Sterility assurance: 6-log reduction
- Optimized utility consumption
- Local and online service support
- Complete documentation & validation



Vertical sliding door



Horizontal sliding door



Hinged door



Vertical drum autoclave



International norms compliant:

GAMP5, ISO 9001:2015, ISO 13485:2016, cGMP, ASME 'U' & 'R' Stamp, CE PED 2014/68/EU, EN 285, MHRA (UK), US FDA, PIC/S.

Key Features

- Pressure-based control system - ensures effective sterilization.
- Machined gasket groove - uniform pressure & vacuum integrity.
- Air detection chamber - alerts on non-condensable gases.
- In-situ sterilizable vacuum break filter with PLC automation.
- 21 CFR Part 11 compliant - electronic record integrity.
- PLC-PC connectivity with SCADA and industrial PC
- BioSeal
- Pure steam sampling station
- Electric steam generator - ideal for small units.
- Water ring vacuum pump
- Heat exchanger for condensate cooling
- Reduced water consumption
- Motorized door - safe, air-free operation.
- Dimple jacket - uniform heating.
- Insulation - for energy efficiency and operator comfort.
- Ergonomic loading carriage/trolley - ease of handling.

Biopuremax also provides pharmaceutical water and clean utility systems with over 30 years of experience, offering full design, installation, validation, and ongoing support precisely aligned with each customer's process requirements.

Technical Specifications

Description	2x2x2	2x2x3	2x2x4	3x3x3	3x3x4	3x3x6	4x4x6
Chamber volume - Litre	216	324	432	729	972	1458	2592
Chamber inside dimensions - mm							
Width	600	600	600	900	900	900	1200
Height	600	600	600	900	900	900	1200
Depth	600	900	1200	900	1200	1800	1800
Overall dimensions of Horizontal sliding door - mm							
Width	2000	2000	2000	2600	2600	2600	3200
Height	1800	1800	1800	2100	2100	2100	2400
Depth	1040	1340	1640	1340	1640	2240	2240
Overall dimensions of Hinged door - mm							
Width	1500	1500	1500	1800	1800	1800	2100
Height	1800	1800	1800	2100	2100	2100	2400
Depth	1040	1340	1640	1340	1640	2240	2240
Overall dimensions of Vertical sliding door - mm							
Width	1200	1200	1200	--	--	--	--
Height	2175	2175	2175	--	--	--	--
Depth	1040	1340	1640	--	--	--	--
Pure steam consumption per cycle							
Peak load - Kg/Hr*	23/81	27/95	82/112	51/179	56/196	72/252	107/375
Pressure - Kg/cm ²	3	3	3	3	3	3	3
Service compressed air							
Peak load - cfm	7	7	7	8	8	8	9
Pressure - Kg/cm ²	6	6	6	6	6	6	6
Vacuum pump							
Power - HP	2	2	2	3	3	5	7.5
Seal water flow rate - lpm	5	5	5	7	7	10	18
Seal water pressure - Kg/Cm ²	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Maximum hardness - ppm	125	125	125	125	125	125	125
Total Power - Kw	3	3	3	4	4	6	8.5
Sterilizer empty weight (appx) - Kgs	1101	1271	1475	1616	1895	2458	3077

Note: Table indicates standard models. Custom built also available.

* Values indicated are peak values considering steam used in jacket and chamber.