



STERRAD SI™ 100 System



**AGILE
STERILIZATION***



**MINIMAL
FOOTPRINT**



**CONFIGURABLE
CONTROL**

*Capable of SAL 10⁻⁶ when validated to ISO 22441. Industrial equipment, not a medical device.

Cycle Specifications

CYCLE	<p>Full customization of cycle key variables including:</p> <ul style="list-style-type: none"> - H₂O₂ working concentration: 59% - 98% - Exposure time: within few minutes to hours - Vacuum: 0.3 - 1013 mbar - Temperature: 35°C - 56°C <p>Possibility to create a cycle sequence including single or multiple sterilant injections resulting in various possible exposure times.</p>
-------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Technical Specifications

CYCLE TEMPERATURE	35°C - 56°C		
STERILANT	59% aqueous Hydrogen Peroxide solution (CAS Nr. 7722-84-1)		
STERILANT DELIVERY	Delivered in sealed RFID-Tagged cassettes, enabling automatic identification of expiration dates and lot numbers: 5.4 mL of H ₂ O ₂ per well (10-well cassettes) A cycle sequence may require one or many injection of a variable volume and concentration of H ₂ O ₂ depending on performance requirements.		
USED CASSETTE DISPOSAL	Automatic and touchless ejection into cassette disposal container		
PEROXIDE RESIDUAL BREAKDOWN	Configurable Gas-Plasma Phase to ensure optimal patient and worker's safety		
CONFIGURATIONS	Double-door system that allows the use as a pass-box. Can be also used as a single-door device once the exit door is deactivated.		
SYSTEM DIMENSIONS (MAXIMUM)	Height: 1800 mm	Width: 775 mm	Depth: 1095 mm
CHAMBER TOTAL VOLUME	152 L		
CHAMBER DIMENSIONS	Height: 410 mm	Width: 510 mm	Depth: 735 mm
CHAMBER SHAPE	Rectangular		
SHELF INFO	Two-tiered shelf (removable)	Width: 444 mm	Depth: 643 mm
MOBILITY	4 casters (2 lockings)		
SYSTEM WEIGHT	408 kg		
USER INTERFACE	Touchscreen technology: projected capacitive touch Resolution: 800 x 600 pixels		
SUPPORTED USB DEVICES	<ul style="list-style-type: none"> <li style="width: 50%;">• Barcode reader <li style="width: 50%;">• External drives: USB that allows data upload and download <li style="width: 50%;">• External printer connection (PCL3 compatible or equivalent) 		
NORMATIVE FRAMEWORK	ISO 14937:2009, ISO 22441:2022, GMP		

*Always refer to your local sales representative for the latest material compatibility data.

Sterilization Specifications

STERILIZATION PROCESS	Oxidative Gaseous process with a chemical oxidation of biomolecules via a contact with highly concentrated vapor of H ₂ O ₂ . Capable of SAL 10 ⁻⁶ when validated according to ISO 22441:2022
STERILIZATION CYCLE MONITORING	Critical system parameters monitored with on-board sensors, biological indicators, and chemical indicators; IMS (independent monitoring system) available
H ₂ O ₂ CONCENTRATION CONTINUOUS MONITORING	Real-Time Monitoring using UV-Vis Spectrophotometer in the chamber

For more information

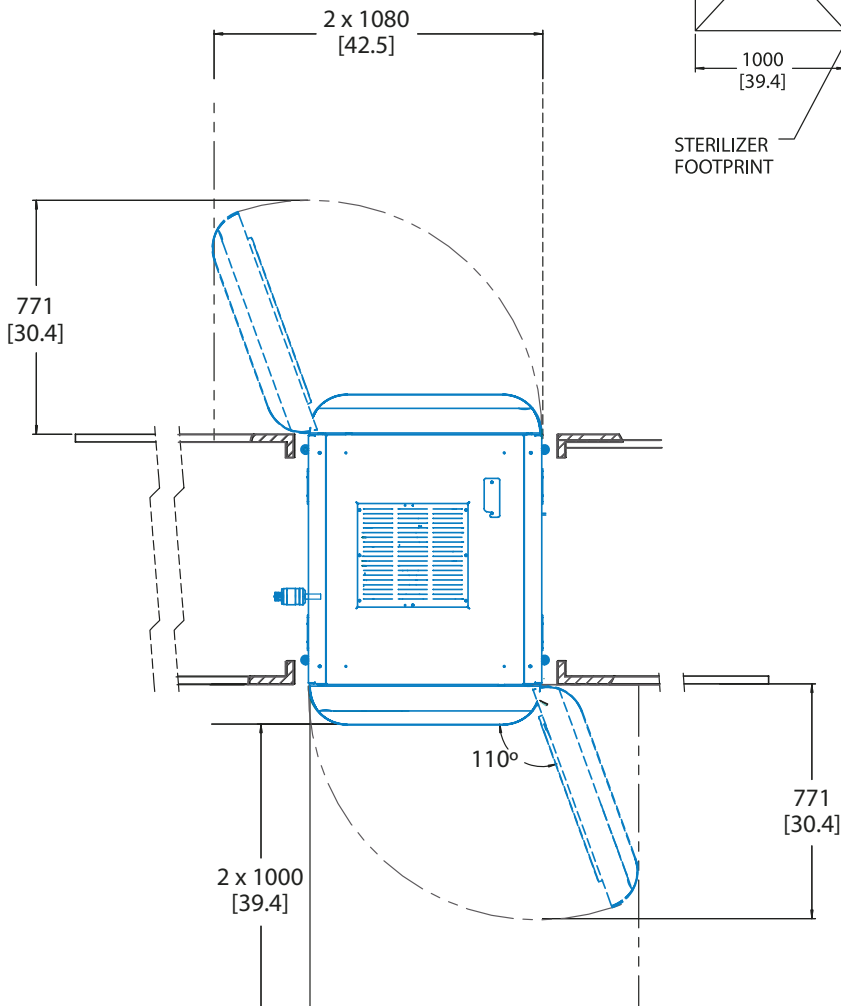
Visit www.asp.com/si or contact your local **ASP** representative



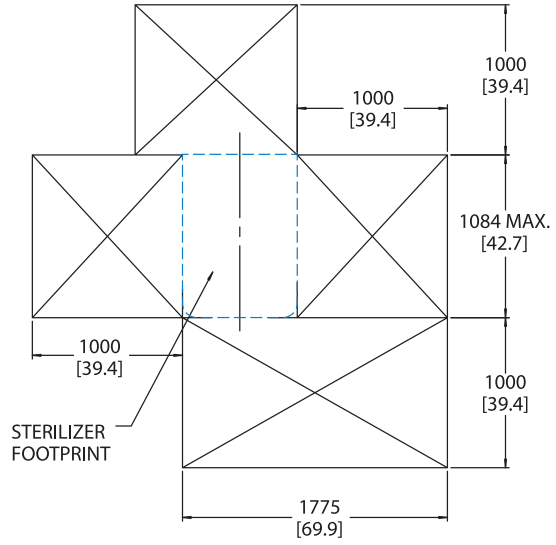
→ Space Planning Dimensions

LEGEND

Millimeters
[Inches]

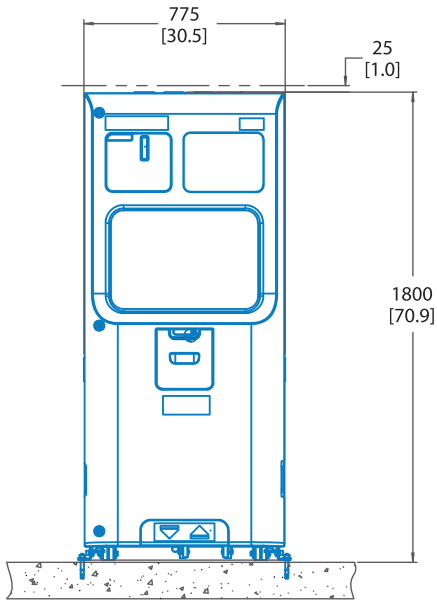


TOP VIEW
TWO-DOOR CONFIGURATION

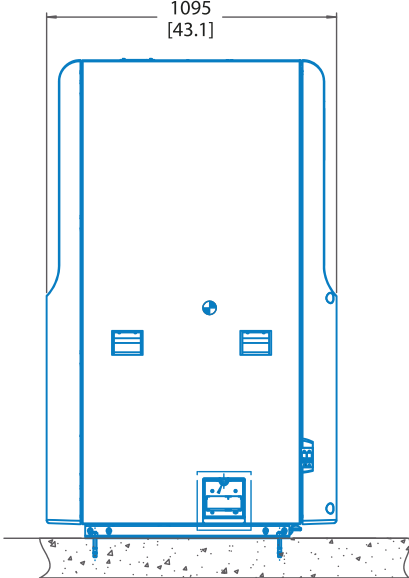


SERVICE CLEARANCE

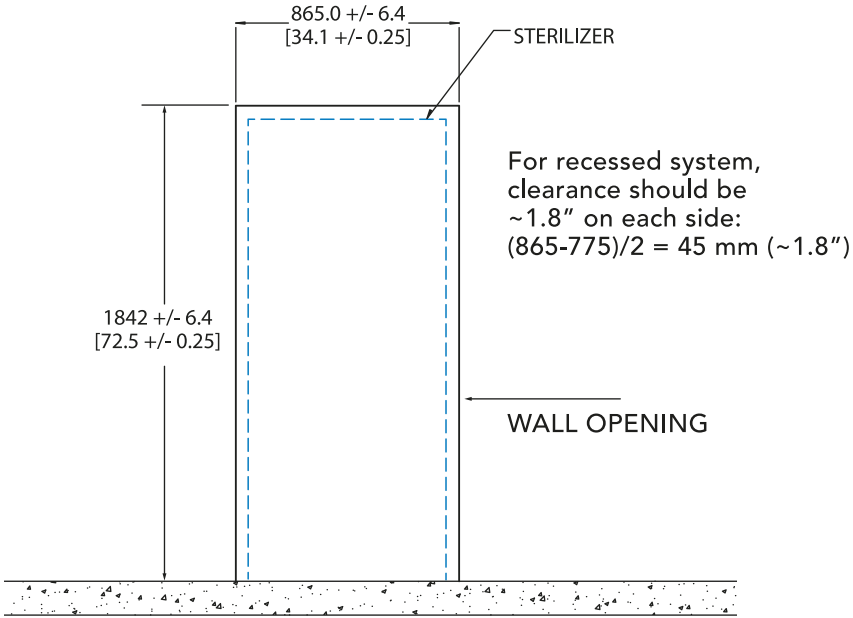
Clearance on each side of the system should be ~39.4"



INPUT SIDE
SYSTEM LAYOUT
TWO-DOOR CONFIGURATION



LEFT SIDE
SYSTEM LAYOUT
TWO-DOOR CONFIGURATION



IN-WALL INSTALLATION
INPUT OR OUTPUT SIDE

Installation and Electrical Requirements

HEAT GENERATION	Idle: 4574 BTU/hour Maximum: 6187 BTU/hour
ELECTRICAL POWER SPECIFICATIONS	<ul style="list-style-type: none"> • US/Canada: 208 VAC, 60 Hz, NEMA L21-30 5-wire grounding twist-lock outlet attached to a dedicated 30-amp, 3-phase wye configuration circuit with separate neutral and ground conductors • International: 380-415 VAC, 50/60 Hz, 5-wire grounding outlet attached to a dedicated 16-amp, 3-phase wye configuration circuit with separate neutral and ground conductors • Japan: 200 VAC, 50/60 Hz: 4-wire grounding outlet attached to a dedicated 30-amp, 3-phase delta configuration with separate ground conductors
INSTALLATION SPACE REQUIREMENTS	In operation, the STERRAD SI™ 100 System should not be placed closer than 50.8mm from the rear wall. The power receptacle should be positioned 30.5 to 61cm above the floor. For recessed systems, a clearance of 25mm from the top of the system and 45mm on each side of the system is required.
SERVICE SPACE REQUIREMENTS	Service access requires a minimum clearance of 610 mm above the top and approximately 991 mm in on all sides of the system (can be less if the system can be moved for servicing).

Operational Environment

TEMPERATURE	18°C - 35°C
HUMIDITY	10% - 85% RH (non-condensing)

Networking and Data Recording

SYSTEM PERFORMANCE DATA AND REPORTS	Full documentation embedded in cycle reports including graphical charts for each key variable and 1-second data files for post-processing with a Laboratory Information Management System (LIMS) or Manufacturing Execution System (MES)
DATA RECORDING	<ul style="list-style-type: none"> • On-board storage up to 200 cycles • Electronic Reports (PDF/CSV) via ASP ACCESS™ Technology

System Ordering Information

CODE	PRODUCT DESCRIPTION
10105-008	STERRAD SI™ 100 Sterilization System, double-door unit, includes installation
10145	STERRAD SI™ 100 Cassette (2 cassettes/case)
20227	Cassette Disposal Box (10 boxes/case)
14202	SealSure™ Class-1 Chemical Indicator Tape
53001	Network Connectivity for Electronic reports
10305	Thermal Printer Paper (12 rolls/case)
113617-01	STERRAD™ Systems Bar Code Scanner Kit



STERRAD SI™ 100
System



www.asp.com/si

ASP Advanced
Sterilization
Products

ASP International GmbH, Im Majorenacker 10,
Schaffhausen Switzerland
©ASP 2025. All Rights Reserved.

Product under development. Functionalities,
features and product availability may vary.
ASP, The Netherlands BV
BIC 1, 5657 BX Eindhoven, The Netherlands

Capitalized product names are trademarks of ASP Global Manufacturing GmbH.

For more information, please contact your local ASP representative or visit asp.com/si

AP-2501359-01-1