



**CONSOLIDATED
STERILIZER SYSTEMS**

Protect your equipment. Keep your lab running.

Untreated water carries minerals and microorganisms that can impact your steam generator and autoclave performance over time. That leads to variability, maintenance, and interruptions to your work.

- ✓ **Better water supports consistent results.**
- ✓ **Reliable equipment keeps your lab on track.**
- ✓ **Steady operation helps protect your research and timelines.**



STERILSOURCE BENEFITS



Extends equipment life

Removes minerals that collect on heating elements and internal components, helping your steam generator and autoclave perform as expected.



Reduces unplanned downtime

Cleaner water lowers the risk of scale, corrosion, and service interruptions that can disrupt your lab work.



Maintains compliant water quality

Onboard monitoring alerts you when water is out of spec, helping maintain consistency and supporting internal quality standards.

Designed for real-world lab environments

- **Fits where space is tight:** Wall-mounted with a small footprint. Works well in crowded lab spaces and equipment rooms.
- **Simple to install and maintain:** Straightforward setup without the need for large storage tanks.
- **Water when you need it:** Parallel filtration delivers up to 4x more water on demand, supporting a continuous workflow.
- **Clean system design:** Advanced recirculation helps prevent stagnation and supports consistent water quality.

Consolidated Sterilizer Systems | sales@consteril.com





1. SterilSource RO

Removes dissolved minerals and contaminants to protect the steam generator and autoclave, supporting consistent performance and lab workflows.

2. SterilSource RO/DI

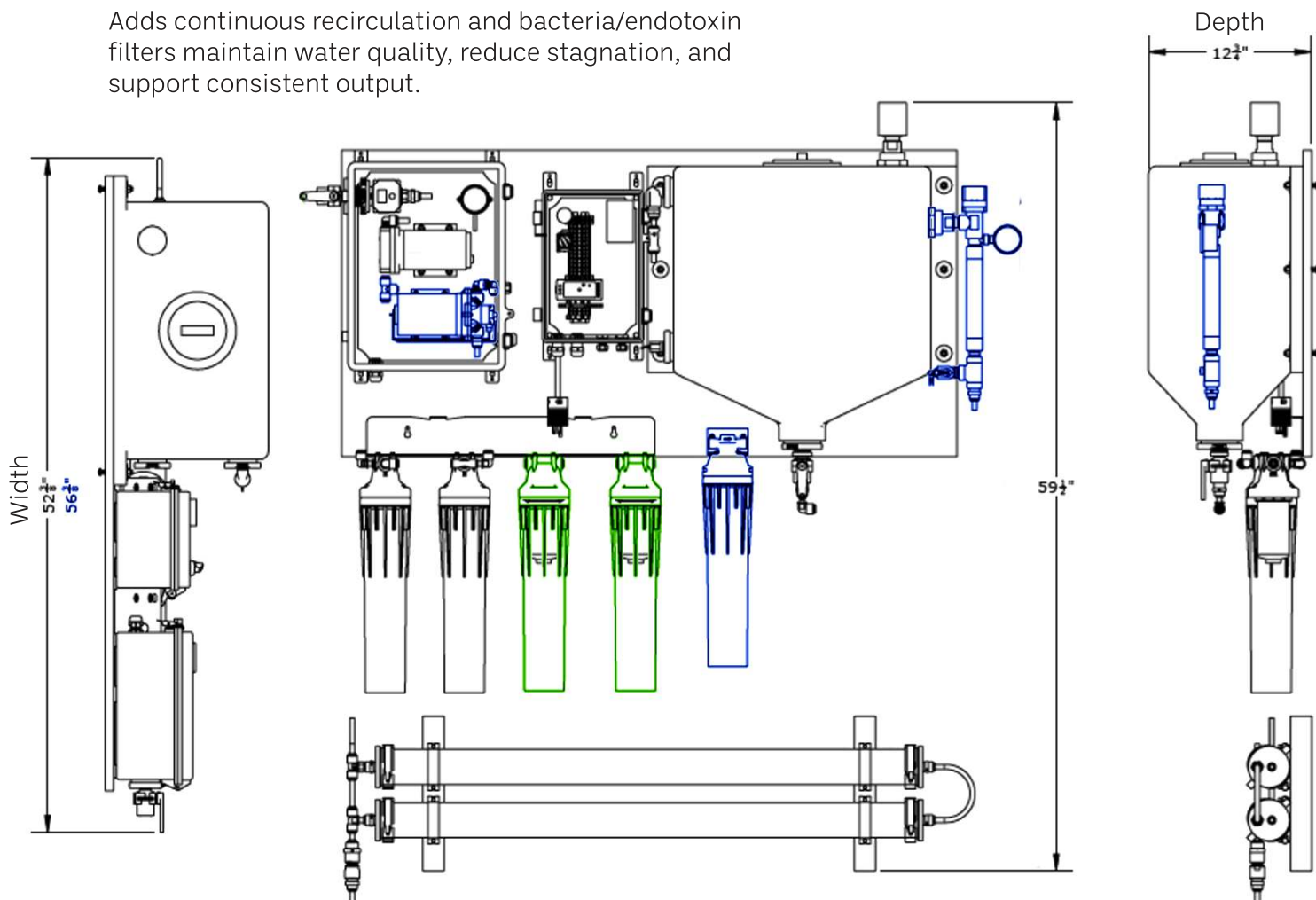
Combines reverse osmosis and deionization to deliver higher purity water for more sensitive lab applications.

3. SterilSource RO/DI + ST-108

Adds continuous recirculation and bacteria/endotoxin filters maintain water quality, reduce stagnation, and support consistent output.

Features:

- **Stage 1: Carbon & Anti-Scalant Filters**
- **Stage 2: High-Capacity Dual RO Membranes**
- **Stage 3: DI Polishing Filters**
- **Stage 4: Bacteria/Endotoxin Filter**
- **Recirculation pump and tank loop return**
- 15-gallon sanitary storage tank
- On-board conductivity monitor (with alarm)
- Feedwater pump and motorized inlet ball valve



See SterilSource Technical Specification sheet for more details.



CONSOLIDATED STERILIZER SYSTEMS

	SterilSource RO	SterilSource RO-DI	SterilSource RO-DI + ST-108
Application	For steam sterilizers with carbon steel steam generators.	For steam sterilizers with stainless steel steam generators (i.e. clean steam). Supports compliance with AAMI ST-108 steam specifications.	For steam sterilizers with stainless steel (clean steam) generators requiring AAMI ST-108 compliance. Provides ST-108 critical water for steam generation and point-of-use rinsing or disinfection.
Dimensions	59.5" H x 52.375" W x 12.75"D 151.1 x 133.0 x 32.4 cm	59.5" H x 52.375" W x 12.75"D 151.1 x 133.0 x 32.4 cm	59.5" H x 56.375" W x 12.75"D 151.1 x 143.2 x 32.4 cm
Max Operating Weight	225 lbs	232 lbs	242 lbs
Daily Production Rate	1440 gpd / 60 gph nominal 5450 lpd / 227 lph		
Tank Volume	15 gallons 56.8 liters		
Water Quality Monitoring	Onboard conductivity monitor comes standard on every configuration, alerting users when water quality drifts out of compliance, ensuring timely filter replacement.		
Mounting	The entire system is built on a marine-grade HDPE backing board with integrated mounting brackets. The brackets easily mounts directly to drywall studs or concrete, with mounting brackets and backing board sized for 16" on-center stud spacing.		
Key Features	<ol style="list-style-type: none"> 1. Carbon/KDF filters remove sediment, chlorine, heavy metals, iron, and other minerals. Protect and extend the life of RO membranes 2. Dual, high-capacity RO membranes remove up to 99% of contaminants. 3. 15 gallon cone bottom, high purity storage tank. 	<ol style="list-style-type: none"> 1. Carbon/KDF filters remove sediment, chlorine, heavy metals, iron, and other minerals. Protect and extend the life of RO membranes 2. Dual, high-capacity RO membranes remove up to 99% of contaminants. 3. 15 gallon cone bottom, high purity storage tank. 4. Deionizer cartridge polishing step produces Type II water (DI > 1 megohm*cm). 	<ol style="list-style-type: none"> 1. Carbon/KDF filters remove sediment, chlorine, heavy metals, iron, and other minerals. Protect and extend the life of RO membranes 2. Dual, high-capacity RO membranes remove up to 99% of contaminants. 3. 15 gallon cone bottom, high purity storage tank. 4. Deionizer cartridge polishing step produces Type II water (DI > 1 megohm*cm). 5. CMF bacteria/endotoxin filter to remove bacteria and viruses from final point-of-use. 6. Includes recirculation feature to keep water continuously moving through the final microbiological filter and storage tank.

	Water
Facility Connection	1/2" NPT Ball Valve; 25 – 80 PSIG Dynamic; 5 GPM; 40-100°F (4.4-37.8°C)
Drain Connection	1/4" (.64 cm) OD tube connection; Floor drain or Floor Sink, Gravity Flow

Electrical
115VAC/60Hz; NEMA 5-15P Plug Branch Circuit Protection 15 or 20 Amp Ground Fault





CONSOLIDATED STERILIZER SYSTEMS

FILTER REPLACEMENT FREQUENCY	RO	RO/DI	ST108
Carbon / KDF	Six months*	Six months*	Six months*
DI Cartridges	N/A	Three months*	Three months*
RO Membranes	2-3 years*	2-3 years*	2-3 years*
CMF Bacteria / Virus Filter	N/A	N/A	Six months*

*Consumable life depends on final product usage and incoming water quality

1 mg/L = 1 ppm	CONSOLIDATED WATER QUALITY REQUIREMENTS			
	Boiler Feed Water		Feed Water into "CSS RO" Filter System to SterilSource	
Characteristic	Recommended Condition	Maximum Condition	Recommended Condition	Maximum Condition
Temperature [°F(°C)]	As Supplied	140 (60)	-	100 (37.8)
Silica (ppm)	0.0-1.0	2.5	2.5-15	15
TDS (ppm)	50-150	250	100-1500	1500
pH	7.5-8.5	7.5-9.0	7.5-8.5	7.5-9.0
Alkalinity (ppm)	50-180	350	50-180	350
Hardness (ppm)	5-25	85	25-225	225
Resistivity (Ω-cm)	2,000	26,000 ²	-	-
Specific Conductance (µmΩ/cm)	500	38.5	-	-
Sodium (ppm)	0.0-2.5	10	2.5-100	100
Chloride (ppm)	0.0-2.5	10	2.5-100	125
Copper (ppm)	0.0-0.2	-	-	-
Iron (ppm)	0.0-0.2	-	-	-
Zinc (ppm)	0.0-0.2	-	-	-
Aluminum (ppm)	0.0-0.2	-	-	-
Magnesium (ppm)	0.0-0.2	-	-	-

1. Stainless-steel generators require deionized water with resistivity $\geq 1M\Omega\text{-cm}$.
2. If water supplied is great than 26,000 $\Omega\text{-cm}$ contact Consolidated for recommendation.
3. Boiler feed water quality applies to both integrated and House Steam boilers.





CONSOLIDATED STERILIZER SYSTEMS

Small Lab Series Steam Sterilizers				
Model	Chamber Dimensions (w x h x f-b)	Volume (cu. ft./liters)	Ship Weight (lbs/kg)	Ship Dimensions (w x h x f-b)
Single Chamber and Pass Thru Models				
SSR-2A	16" x 16" x 26" 40.6 x 40.6 x 66 cm	3.9 cu. ft. 110 liters	1,150 lbs 523 kg	37" x 77" x 54" 94 x 195.6 x 137.2 cm
SSR-3A	20" x 20" x 38" 50.8 x 50.8 x 96.5 cm	8.8 cu. ft. 249 liters	1,650 lbs 750 kg	37" x 77" x 68" 94 x 195.6 x 172.8 cm
SR-24A	24" x 24" x 36" 61 x 61 x 91.4 cm	12 cu. ft. 340 liters	2,300 lbs 1,045 kg	46" x 77" x 66" 116.8 x 195.6 x 167.6 cm
SR-24B	24" x 24" x 48" 61 x 61 x 122 cm	16 cu. ft. 453 liters	2,500 lbs 1,136 kg	46" x 78" x 78" 116.8 x 198.1 x 198.1 cm
SR-26A	26" x 26" x 39" 66 x 66 x 99 cm	15.25 cu. ft. 432 liters	2,450 lbs 1,113 kg	46" x 77" x 69" 116.8 x 195.6 x 175.3 cm

Medium Lab Series Steam Sterilizers				
Model	Chamber Dimensions (w x h x f-b)	Volume (cu. ft./liters)	Ship Weight (lbs/kg)	Ship Dimensions (w x h x f-b)
Single Chamber and Pass Thru Models				
SR-24C	24" x 36" x 36" 61 x 91.4 x 91.4 cm	18 cu. ft. 510 liters	2,700 lbs 1,228 kg	46" x 78" x 65" 116.8 x 198.1 x 165.1 cm
SR-24D	24" x 36" x 48" 61 x 91.4 x 122 cm	24 cu. ft. 680 liters	3,150 lbs 1,432 kg	46" x 78" x 78" 116.8 x 198.1 x 198.1 cm
SR-24E	24" x 36" x 60" 61 x 91.4 x 152.4 cm	30 cu. ft. 850 liters	3,600 lbs 1,637 kg	46" x 78" x 89" 116.8 x 198.1 x 226.1 cm
SR-24F	24" x 36" x 72" 61 x 91.4 x 183 cm	36 cu. ft. 1,019 liters	4,300 lbs 1,955 kg	46" x 78" x 98" 116.8 x 198.1 x 248.9 cm
SR-26B	26" x 26" x 49" 66 x 66 x 124.5 cm	19.2 cu. ft. 544 liters	2,700 lbs 1,227 kg	46" x 77" x 79" 116.8 x 195.6 x 201 cm

*Pass Thru models max operating weight and dimensions vary.

Dual Chamber, Tower Models				
	Per Chamber		Total	
	Interior	Volume	Ship Weight	Ship Dimensions
2SSR-2A	16" x 16" x 26" 40.6 x 40.6 x 66 cm	3.9 cu. ft. 110 liters	2,250 lbs 1,125 kg	43" x 87" x 61" 109.2 x 221 x 154.9 cm
2SSR-3A	20" x 20" x 38" 50.8 x 50.8 x 96.5 cm	8.8 cu. ft. 249 liters	3,250 lbs 1,477 kg	43" x 87" x 61" 109.2 x 221 x 154.9 cm

EZ-Glide™ Lab Series Steam Sterilizers				
Model	Chamber Dimensions (w x h x f-b)	Volume (cu. ft./liters)	Ship Weight (lbs/kg)	Ship Dimensions (w x h x f-b)
3AV	20" x 20" x 38" 50.8 x 50.8 x 96.5 cm	8.8 cu. ft. 249 liters	1,650 lbs 750 kg	31" x 72.875" x 51" 78.6 x 185.1 x 129.5 cm
26AV	26" x 26" x 39" 66.04 x 66.04 x 99.1 cm	15.25 cu. ft. 431.8 liters	2600 lbs 1179 kg	46.375" x 77" x 54" 117.8 x 195.6 x 137.2 cm
26BV	26" x 26" x 49" 66.04 x 66.04 x 124.5 cm	19.2 cu. ft. 543.7 liters	2850 lbs 1293 kg	46.375" x 77" x 64" 117.8 x 195.6 x 162.6 cm

