



**CONSOLIDATED
STERILIZER SYSTEMS**

Protect your sterilizer. Keep your OR running.

Untreated water carries minerals and microorganisms that wear down your steam generator and sterilizer over time. That wear leads to service calls, downtime, and in some cases, delayed procedures.

- ✓ **Better water protects your sterilizer.**
- ✓ **Protected sterilizers keep your schedule moving.**
- ✓ **A steady schedule supports patient care and your workflow.**



STERILSOURCE BENEFITS



Extends equipment life

Removes minerals that build up on heating elements and internal components.



Reduces unplanned downtime

Minimize unplanned disruptions to your schedule that hurts your bottom line.



Maintains compliant water quality

Alerts you when water is out of spec, supporting AAMI ST108 and timely filter changes.

Designed for real-world healthcare environments

- **Fits where space is tight:** Wall-mounted with a small footprint. Ideal for ASCs and crowded sterile processing areas.
- **Simple to install and maintain:** Straight-forward 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.





1. SterilSource RO

Removes dissolved minerals and contaminants to protect steam generator and sterilizer to support consistent performance.

2. SterilSource RO/DI

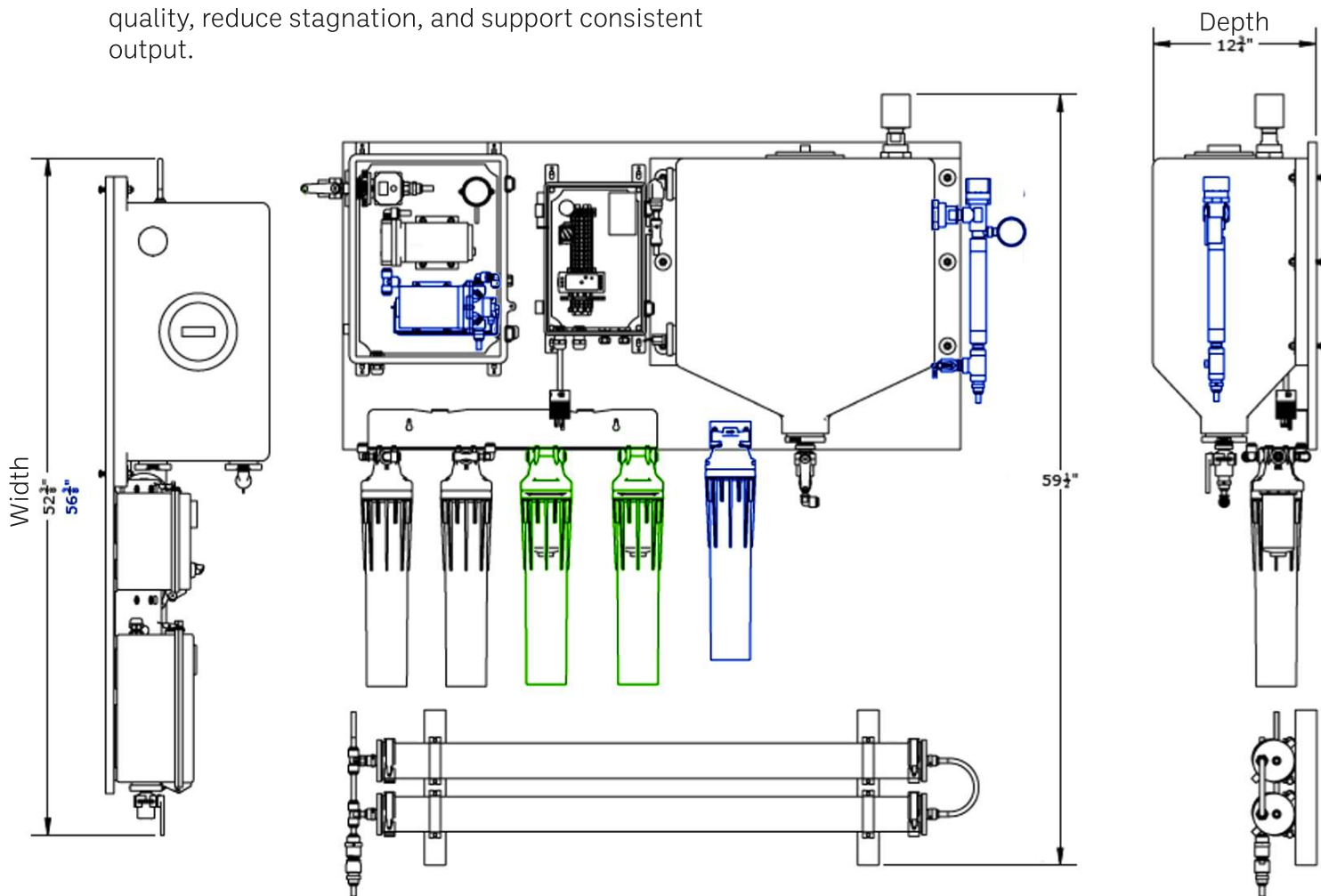
Combines reverse osmosis and deionization to deliver higher purity water for demanding sterilization needs.

3. SterilSource RO/DI + ST-108

Adds continuous recirculation to 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





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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.





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EZ-Glide™ Healthcare Series Steam Sterilizers				
Model	Chamber Dimensions (w x h x f-b)	Volume (cu. ft./liters)	Ship Weight (lbs/kg)	Overall Dimensions (w x h x f-b)
3AV-HC	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-HC	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-HC	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

