



Healthcare

Loop-Boss All in One

For Sterile Processing and Laboratories

A complete, plug & play solution for distribution & disinfection of high purity loops

Perfect for sterile processing & laboratories

In August 2023 ANSI/AAMI released new standards for the water used to clean, rinse, sterilize and disinfect instruments for surgery. There are now limits for Utility Water, Critical Water and Steam. To achieve this, several types of water treatment technology are needed.

Save space

Wall and floor space are at a premium in medical and laboratory facilities. The Loop-Boss is an all in one, skid mounted package that holds everything you need to and only takes up an approximate space 2' x 2'.

It's all included

Distribution pump to pump water from the storage tank through the UV system and filter, then back into the storage tank, continuously recirculating 3-5 FPS at the measured tank return.

Systems are equipped with Grundfos ML(E) motors that have the highest efficiency rating world-wide.

Ultra-Violet system kills bacteria and viruses without the need for hazardous chemicals with revolutionary amalgam lamps.

Corrosion resistant, stainless steel filter housing has an easy-to-use swing bolt secured quick opening cover for quick exchanges of the five 2.75" x 20" CMF cartridges. The high purity cartridges are rated for 0.2 validated removal of bacteria and endotoxins.

And then...

The fresh, polished water flows through a temperature compensated conductivity monitor with an easy digital readout to verify that the water is up to standards before flowing back into the storage tank.

In between you'll find isolation valves, gauges, and sample ports for further verification.

All of this is mounted on a powder coated aluminum frame that won't rust and will look great year after year.



- All included
- Ease of use
- Minimal Maintenance
- Takes little space
- Continuous high purity water



- Single point electrical connection
- In single or three phase
- NO need for multiple outlets

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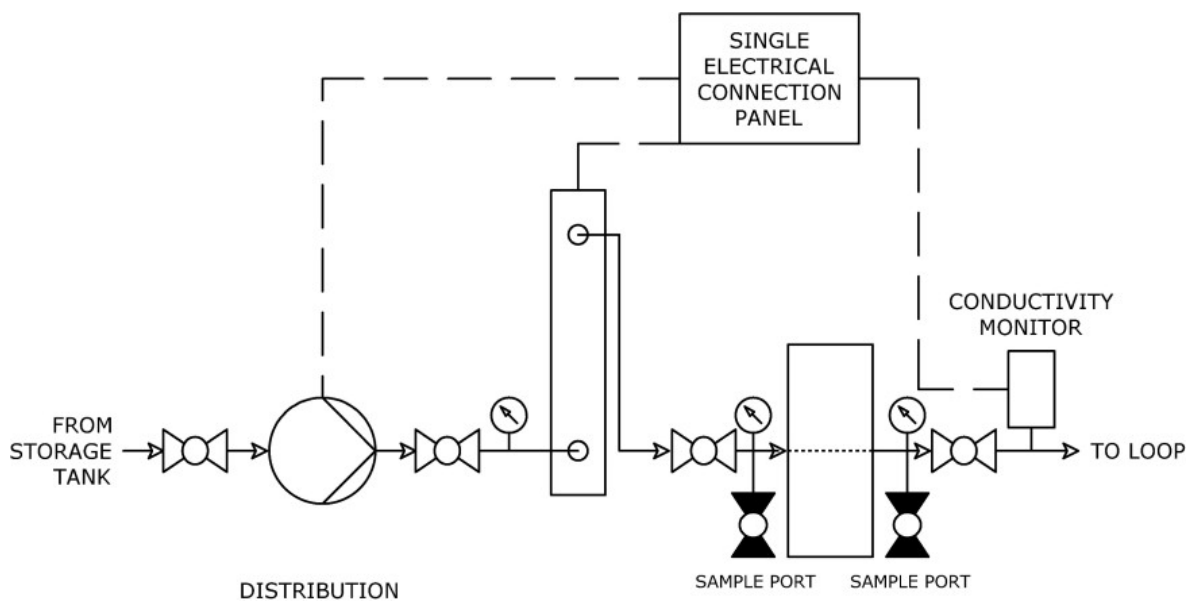
Choosing the right system

Just need to determine your power requirements and loop pipe size.

Everything else is already included:

- Bacteria / Endotoxin Filter Housing
- Ultra-Violet System
- Conductivity Monitor

MODEL	LB30	LB40	LB40V
POWER REQUIREMENT			
Phase	1	3	3
Voltage	120V	208/240/480	208/240/480
Amps	20A dedicated	10.6/10.3/5.5A	8.8/7.5/4.7A
PUMP	Grundfos CM		Grundfos CME
Horsepower	1.5	3.4	3
Flow Rate	15 GPM @ 53 PSI	32 GPM @ 78 PSI	Up to 50 GPM Variable PSI
LOOP SIZE	1" - 1-1/4"	1-1/4" - 1-1/2"	
BACTERIA/ENDOTOXIN FILTER			
Housing	304SS, houses 5 cartridges, up to 50 GPM		
Cartridges	2.75" x 20" with 222 opening, 0.002 micron validated		
UV SYSTEM	316SS, up to 40 GPM @ 30 mJ/cm		
CONDUCTIVITY MONITOR	Temperature compensated, set point relay, 0-999 ms, digital readout		
CONNECTIONS, DIMENSIONS, & WEIGHT			
Connections	Inlet: 1.5" FPT/SOC Outlet: 1.5" SOC		
Width, Depth, Height	24.5" x 28" x 63"	27.5" x 28" x 63"	28.5" x 28" x 63"
Shipping Weight	236 lbs.	258 lbs.	269 lbs.



About Apex

Apex is a trusted leader in water and process management, delivering integrated solutions of chemistry, equipment, automation and services to help various industries reduce costs, maximize efficiency, stay compliant, and optimize sustainability.

Contact us to learn more about how we can help simplify your operations to mitigate risks and ensure compliance.