

Wallace & Tiernan® UV Disinfection Systems

Barrier® SUN-HO Series Systems

SIEMENS

Product Overview

The Barrier® SUN-HO Series Systems are designed to treat flows ranging from 100 to 1250 USGPM (379 to 4732 LPM).

The SUN-HO Series can be used for germicidal disinfection, ozone destruction (SUN-OD), TOC reduction (SUN-TOC) and liquid sugar disinfection (SUN-LS) applications. The SUN-HO Series chambers are suitable for indoor installations only.

Applications

- Food processing
- Beverage plants
- Pharmaceutical
- Liquid sugar
- Hospitals
- Cosmetics
- Laboratories
- Off shore oil rigs
- Post DI /RO
- Process water
- Potable water
- Wastewater

Standard Features

- 316L stainless steel vessel
- Electropolished and passivated internal and external surfaces
- Low pressure standard, high output (HO) or amalgam lamp technology with 12,000 hour lamp life
- Removable heads
- Monitoring drain and sample ports
- Remote NEMA 4X (IP56) stainless steel enclosure
- 150# raised face flanges
- Energy efficient electronic ballasts
- Running time meter
- LED lamp status indicators
- 12,000 hour lamp

- Protective quartz sleeves
- Anodized aluminum compression fittings
- High-heat vessel shutoff
- UV intensity monitoring

Optional Features

- Vertical orientation (MV) for space savings
- DIN flange connections
- Sanitary fittings
- UV monitoring - basic or 4-20mA
- Hand-Off-Auto switch (HOA)
- High heat shutoff
- PLC control
- Manual or automatic quartz cleaning
- Sized for TOC reduction, ozone destruction, liquid sugar disinfection
- Explosion proof
- Skid mounting
- Stainless steel light traps
- Supplemental cleaning systems
- On-line UV transmissions monitoring



Key Benefits:

- Lamp replacement without draining vessel
- Automatic quick-stroke quartz cleaning
- Flexible inlet and outlet sizes and locations
- Ease of operation and maintenance
- Small footprint

SUN-R-HO Series

Unit Name	USGPM	LPM	Inlet / Outlet	Watts	Unit Dimensions L x W x H	Panel Dimensions W x H x D
SUN-4R-HO	100	379	2" NPT 50.8 mm	340	36" x 12" x 12" 914 x 305 x 305	18" x 18" x 7" 457 x 457 x 178
SUN-6R-HO	125	473	2" NPT 50.8 mm	510	36" x 12" x 12" 914 x 305 x 305	18" x 18" x 7" 457 x 457 x 178
SUN-8R-HO	165	625	3" NPT 76.2 mm	680	36" x 12" x 12" 914 x 305 x 305	18" x 18" x 7" 457 x 457 x 178

SUN-RV-HO Series (Vertical Units)

Unit Name	USGPM	LPM	Inlet / Outlet	Watts	Unit Dimensions L x W x H	Panel Dimensions W x H x D
SUN-4RV-HO	100	379	2" NPT 50.8 mm	340	36" x 12" x 12" 914 x 305 x 305	18" x 18" x 7" 457 x 457 x 178
SUN-6RV-HO	125	473	2" NPT 50.8 mm	510	36" x 12" x 12" 914 x 305 x 305	18" x 18" x 7" 457 x 457 x 178
SUN-8RV-HO	165	625	3" NPT 76.2 mm	680	36" x 12" x 12" 914 x 305 x 305	18" x 18" x 7" 457 x 457 x 178

SUN-E-HO Series

Unit Name	USGPM	LPM	Inlet / Outlet	Watts	Unit Dimensions L x W x H	Panel Dimensions W x H x D
SUN-4E-HO	200	757	2" Flange 50.8 mm	700	64" x 12" x 12" 1626 x 305 x 305	18" x 24" x 7" 457 x 610 x 178
SUN-6E-HO	255	965	3" Flange 76.2 mm	1050	64" x 12" x 12" 1626 x 305 x 305	18" x 24" x 7" 457 x 610 x 178
SUN-8E-HO	320	1211	4" Flange 101.6 mm	1400	64" x 12" x 12" 1626 x 305 x 305	18" x 24" x 7" 457 x 610 x 178
SUN-12E-HO	500	1893	6" Flange 152.4 mm	2100	64" x 12" x 12" 1626 x 305 x 305	18" x 24" x 7" 457 x 610 x 178
SUN-16E-HO	750	2840	6" Flange 152.4 mm	2800	64" x 12" x 12" 1626 x 305 x 305	30" x 24" x 10" 762 x 610 x 254
SUN-20E-HO	1000	3785	8" Flange 203.2 mm	3500	70" x 20" x 20" 1778 x 508 x 508	30" x 24" x 10" 762 x 610 x 254
SUN-24E-HO	1250	4732	8" Flange 203.2 mm	4200	70" x 20" x 20" 1778 x 508 x 508	30" x 24" x 10" 762 x 610 x 254

* Capacity at a UV dose of 40 mJ/cm² at end of lamp life, and UV transmittance of 98% (254 nm; 1-cm cell)

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