

Wallace & Tiernan® UV Disinfection Systems

Sunburst™ UV Systems

Product Overview

The Sunburst™ Series of UV systems are designed for disinfection use in homes, businesses, boats, or recreational vehicles. The durable, stainless steel units can be installed at the point of entry or at individual points of use such as under counters or sinks. Available in sizes ranging from 0.1 to 11 m³/h (0.5 to 50 US gpm), they come with many standard features for ease of installation, operation, and maintenance.

To meet the requirements of many of the world's health agencies, the Sunburst™ SB-DOH UV systems come standard with several built in safety features including: UV monitor, flow control, automatic shut-off valve, two-minute warm-up delay, quartz cleaning, remote audible and visual alarms and spare parts. These systems provide high UV doses exceeding 40 mJ/cm².

Sunburst™ UV systems provide chemical-free disinfection which is economical to operate and easily serviced.

Applications

- Residential wells
- Commercial wells
- Camps/ Cottages
- Aquaculture
- Marine
- Domestic wastewater

Standard Features

- Heavy duty construction
- Electro-polished 304L SS pressure vessel
- Low pressure standard, high output (HO) or amalgam lamp technology with 12,000 hour lamp life
- 6.9 bar (100 psi) operating pressure
- Visual lamp out alarms
- Audible lamp out alarms (SB-7 through SB-20)
- Flow controls (SB-7 through SB-20)
- Horizontal or vertical mounting

Key Benefits

- Wide range of configurations available
- Ease of installation, operation, and maintenance
- Five year warranty on chamber
- Remote power supplies
- 1 year warranty on complete system; five year warranty on reaction chamber

Optional Features

- Manual quartz cleaning system (SB-7 through SB-50)
- Shut-off valves
- UV monitor
- Remote audible / visual alarms
- 230 volt single phase



Product Line Sheet

Technical Data

Sunburst™ SB Series of UV Systems

Model	Capacity ¹		Connection (inches)	Power Consumption (watts)	Electrical Supply (V / Hz)	Number of Lamps	Weight		Dimensions (L x H x W)	Control Panel Dimensions (H x W x D)
	m ³ /h	US gpm					kgs	lbs		
SB-1	0.22	1	3/8	10	120 50/60	1	0.9	2	305 x 114 x 127 mm 12" x 4.5" x 5"	102 x 64 x 64 mm 4" x 2.5" x 2.5"
SB-7	1.6	7	3/4	17	120 50/60	1	2.3	5	483 x 114 x 127 mm 19" x 4.5" x 5"	102 x 64 x 64 mm 4" x 2.5" x 2.5"
SB-10	2.3	10	3/4	38	120 50/60	1	2.3	5	483 x 114 x 127 mm 19" x 4.5" x 5"	165 x 165 x 102 mm 6.5" x 6.5" x 4"
SB-15	3.4	15	3/4	40	120 50/60	1	4.1	9	965 x 114 x 127 mm 38" x 4.5" x 5"	140 x 229 x 102 mm 5.5" x 9" x 4"
SB-20	4.5	20	1	80	120 50/60	1	4.1	9	965 x 114 x 127 mm 38" x 4.5" x 5"	140 x 229 x 102 mm 5.5" x 9" x 4"
SB-30	6.8	30	1.5	80	120 50/60	2	5.9	13	965 x 203 x 178 mm 38" x 8" x 7"	229 x 279 x 152 mm 9" x 11" x 6"
SB-40	9.1	40	1.5 / 2	120	120 50/60	1	5.9	13	965 x 203 x 178 mm 38" x 8" x 7"	508 x 127 x 76 mm 20" x 5" x 3"
SB-50	11.4	50	2	160	120 50/60	2	5.9	13	965 x 203 x 178 mm 38" x 8" x 7"	229 x 279 x 152 mm 9" x 11" x 6"

Sunburst™ SB-DOH Series of UV Systems

Model	Capacity ¹		Connection (inches)	Power Consumption (watts)	Electrical Supply (V / Hz)	Number of Lamps	Weight		Dimensions (L x H x W) () wiper extended	Control Panel Dimensions (H x W x D)
	m ³ /h	US gpm					kgs	lbs		
SB-DOH-7	1.6	7	3/4	17	120 50/60	1	4.1	9	483 x 114 x 127 mm (762 mm) 19" x 5.25" x 6" (30")	102 x 64 x 64 mm 4" x 2.5" x 2.5"
SB-DOH-10	2.3	10	3/4	38	120 50/60	1	4.1	9	483 x 114 x 127 mm (762 mm) 19" x 5.25" x 6" (30")	165 x 165 x 102 mm 6.5" x 6.5" x 4"
SB-DOH-15	3.4	15	3/4	40	120 50/60	1	5.9	13	965 x 114 x 127 mm (1270 mm) 38" x 5.25" x 6" (50")	140 x 229 x 102 mm 5.5" x 9" x 4"
SB-DOH-20	4.5	20	1	80	120 50/60	1	5.9	13	965 x 114 x 127 mm (1270 mm) 38" x 5.25" x 6" (50")	140 x 229 x 102 mm 5.5" x 9" x 4"
SB-DOH-30	6.8	30	1.5	80	120 50/60	2	8.2	18	965 x 203 x 178 mm (1270 mm) 38" x 8" x 7" (50")	229 x 279 x 152 mm 9" x 11" x 6"
SB-DOH-40	9.1	40	1.5 / 2	120	120 50/60	1	8.2	18	965 x 203 x 178 mm (1270 mm) 38" x 8" x 7" (50")	508 x 127 x 76 mm 20" x 5" x 3"
SB-DOH-50	11.4	50	2	160	120 50/60	2	8.2	18	965 x 203 x 178 mm (1270 mm) 38" x 8" x 7" (50")	229 x 279 x 152 mm 9" x 11" x 6"

¹ 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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