

#### POLARIS ULTRAVIOLET SYSTEMS

- COMPACT DESIGN WITH 304 OR 316 STAINLESS STEEL REACTOR CHAMBER
- OPERATING TEMPERATURE AND SEALING EFFICIENCY

## POLARIS UV ULTRAVIOLET STERILIZATION SYSTEM

#### POLARIS ULTRAVIOLET SYSTEMS

Provide a compact design and economical ultraviolet water treatment for low flow and medium flow applications such as; Light Commercial Reverse Osmosis Systems, water vending machines, food industry, laboratory, medical facility water, pharmaceutical, cosmetic processes, final electronic component rinsing and recirculation loops to name a few.

#### POLARIS ULTRAVIOLET SYSTEMS

Produce little change in water temperature even after prolonged periods of no water flow, making them ideal for many application requirements.

#### POLARIS ULTRAVIOLET SYSTEMS

May also be configured for TOC reduction in high purity or ultra pure water processes.



**POLARIS**  
ULTRAVIOLET













# POLARIS UV ULTRAVIOLET STERILIZATION SYSTEM

## POLARIS ULTRAVIOLET PRODUCT SPECIFICATIONS

PART NUMBER	UV-1C	UV-2C	UV-8C	UV-12C	UV-24B	UV-36B	UV-50B
GPM	1GPM	2GPM	8 GPM	12 GPM	24 GPM	36 GPM	50 GPM
RATED LIFE (HR)	9000 HRS	9000 HRS	9000 HRS	9000 HRS	9000 HRS	9000 HRS	9000 HRS
LAMP WATTS	10 W	14W	32W	39W	39WX2	39WX3	39WX4
VOLTAGE @ 50/60HZ	110V or 220V	110V or 220V	100V~240V	100V~240V	100V~240V	100V~240V	100V~240V
VISUAL WARNING	LED	LED	LED	LED	LED	LED	LED
AUDIBLE WARNING	BUZZER SOUNDS	BUZZER SOUNDS	INDICATOR WITH ALARM	INDICATOR WITH ALARM	INDICATOR WITH ALARM	INDICATOR WITH ALARM	INDICATOR WITH ALARM
NUMBER OF LAMPS	ONE	ONE	ONE	ONE	TWO	THREE	FOUR
PORT SIZE INLET/OUTLET	1/4"	1/4"	3/4"	3/4"	3/4"	1.5"	1.5"
WATER CHAMBER	STAINLESS 304	STAINLESS 304	STAINLESS 304	STAINLESS 304	STAINLESS 304	STAINLESS 304	STAINLESS 304
TIMER	NO	NO	NO	NO	YES	YES	YES
LENGTH	10.47"	13.74"	27.87"	36.81"	36.93"	36.93"	36.93"
WIDTH	2"	2.5"	2.5"	2.5"	3.5"	5.5"	5.5"
MAX.PRESSURE	125 psi	125 psi	125 psi	125 psi	125 psi	125 psi	125 psi
WORKING TEMP.	35°F - 104°F	35°F - 104°F	35°F - 104°F	35°F - 104°F	35°F - 104°F	35°F - 104°F	35°F - 104°F
WAVE LENGTH	254 nm	254 nm	254 nm	254 nm	254 nm	254 nm	254 nm
MICRO JOULES			30 mJ/cm2, 9.8gpm	30 mJ/cm2, 14.5gpm	30 mJ/cm2, 27.7gpm	30 mJ/cm2, 39.6gpm	30 mJ/cm2, 39.6gpm

PART NUMBER	UV-60B	UV-80B	UV-100
GPM	60 GPM	80 GPM	100 GPM
RATED LIFE (HR)	9000 HRS	9000 HRS	9000 HRS
LAMP WATTS	39WX5	39WX6	39WX8
VOLTAGE @	100V~240V	100V~240V	100V~240VLED
VISUAL WARNING	LED	LED	LED
AUDIBLE WARNING	INDICATOR WITH ALARM	INDICATOR WITH ALARM	INDICATOR WITH ALARM
NUMBER OF LAMPS	FIVE	SIX	EIGHT
PORT SIZE INLET/OUTLET	2" OR 2.5"	2" OR 2.5"	2" OR 2.5"
WATER CHAMBER	STAINLESS 304	STAINLESS 304	STAINLESS 304
TIMER	YES	YES	YES
LENGTH	36.93"	36.93"	36.93"
WIDTH	5.5"	6.26"	8.62"
MAX.PRESSURE	125 psi	125 psi	125 psi
WORKING TEMP.	35°F - 104°F	35°F - 104°F	35°F - 104°F
WAVE LENGTH	254 nm	254 nm	254 nm
MICRO JOULES	30 mJ/cm2, 65.3gpm	30 mJ/cm2, 88.5gpm	30 mJ/cm2, 112gpm

## ACCESSORIES

<b>GL32SE4P</b> 	<b>GL39SE4P</b> 	<b>QS32</b> 	<b>QS39</b> 
32W 645mm Germicidal Lamp Single End 4 Pin 254nm	39W 843mm Germicidal Lamp Single End 4 Pin 254nm	QUARTZ SLEEVE 665mm FOR 32W UV LAMP	QUARTZ SLEEVE 890mm FOR 39W UV LAMP
<b>UV-NUT- 1</b> 	<b>UV-NUT- 2</b> 	<b>BLST2439</b> 	<b>UV-TIMER</b> 
Polaris S.S. Long Nut for Wire Connection	Polaris S.S. Short Nut for End Plug	POLARIS BALLAST FOR 24-39W 110/220V	COUNTER TIMER FOR UV-24B
<b>UV-PLUG</b> 	<b>UV-32SPRING</b> 	<b>UV-39SPRING</b> 	<b>UV-SEAL</b> 
PLASTIC PLUG FOR NUTS	SS SPRING for 8 GPM UV	SS SPRING for 12 GPM UV	SEAL

## FEATURES

- AUDIBLE BALLAST WITH LED LAMP OUT INDICATOR.
- HIGH OUTPUT LOW PRESSURE MERCURY VAPOR LAMPS WITH HIGH ISOLATION PIN DESIGN
- COMPACT DESIGN WITH 304 OR 316 STAINLESS STEEL REACTOR CHAMBER, POLISHED FOR LABORATORY AND MEDICAL USE.
- EASY SERVICING, NO NEED TO TURN OFF WATER FLOW TO CHANGE UV LAMP.
- OPEN END QUARTZ SLEEVE AND STAINLESS GLAND NUTS.
- OPERATING TEMPERATURE AND SEALING EFFICIENCY.
- LIMITED 5 YEAR WARRANTY ON STAINLESS STEEL HOUSING.

## UV BALLAST

POLARIS ULTRAVIOLET STERILIZATION SYSTEMS UTILIZE A NATURAL QUARTZ SLEEVE TO PROTECT THE LAMP AND ALLOW THE MAXIMUM AMOUNT OF UV RAYS TO PENETRATE AND DISINFECT THE WATER.

POLARIS ULTRAVIOLET STERILIZATION SYSTEMS ARE YOUR BEST CHOICE IN ULTRAVIOLET STERILIZATION. WITH IT'S DURABLE CONSTRUCTION, HIGH QUALITY QUARTZ SLEEVE AND PERFORMANCE LAMPS YOU CAN'T GO WRONG.

## CHARACTERISTICS

- VALIDATED UV LAMPS 9000 HOURS RATED LIFE.
- CE LISTED
- UL (PENDING)
- MICRO-ORGANISMS INACTIVATED WITHIN SECONDS.
- NO HARMFUL CHEMICALS OR BY-PRODUCTS.
- COMPACT UNITS REQUIRE MINIMUM SPACE, SIMPLE INSTALLATION AND MAINTANCE