

UVK™ Series High Performance UV Systems

With low power consumption and ease of maintenance, the UVK series has proven reliability in thousands of marine applications worldwide.

SHOWN
UVK 3000

INDUSTRIES | Marine, Marine Recreational Water

FLOW RATES: 3 l - 10,695 GPM



Shown with optional Stainless Steel Control Panel

Ultraviolet (UV) disinfection is a chemical-free and a very effective method of inactivating a wide range of waterborne pathogens on-board ships.

UV TECHNOLOGY

Aquafine UV systems are engineered to focus the power of concentrated UV light utilizing one or several specially designed Aquafine UV lamps, recognized in the industry for unsurpassed performance and reliability. Aside from being environmental responsible, UV technology disinfects water to meet the highest standards in a variety of applications.

SAFE & EFFECTIVE

UV does not 'add' anything to the water stream such as undesirable color, odor, chemicals, taste or flavor, nor does it generate harmful by-products. UV only imparts energy to the water stream in the form of ultraviolet light to inactivate micro-organisms or reduce chemical compounds present in the water.

For questions regarding your application needs, please contact your local Authorized Distributor or Aquafine Corporation for more information.

APPLICATIONS | Disinfection

DESIGN CAPABILITIES | Custom Configurations

UVK™ SERIES

Ultraviolet (UV) light represents a powerful technology that has been successfully deployed in diverse industries such as Marine applications. Aquafine's UVK™ Series is a robust UV water treatment system specifically targeted for Marine Drinking Water Systems.

UVK systems are designed to maximize installation flexibility with minimal footprint. While each unit incorporates 9,000 hour Low Pressure High Output (LPHO) Amalgam Lamps, UVK™ systems also feature halogen-free wiring and marine standard cable glands.

Each system consists of a 3 l 6L stainless steel treatment chamber and a painted carbon steel control cabinet and undergoes rigorous quality checks, electronic functionality and hydrostatic pressure testing before leaving our facility. The compact size has the ability to be installed horizontally or vertically. All models are Germanischer Lloyd and DVGW certified. Select models are NIPH certified.

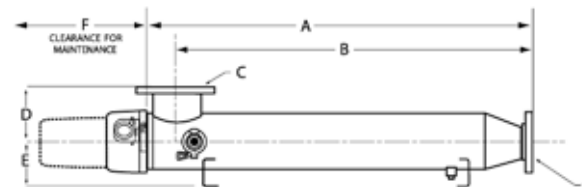


Aquafine®
60 Years of Pure Quality

UVK™ Series High Performance UV Water Treatment System

Model: UVK™	1000	2000	3000	4000	6000	8000	3000D	6000D	12000D	18000D	30000D	
MAXIMUM FLOW RATE - VALIDATED												
MAX. FLOW RATE GPM (m³/hr) @ 40mJ/cm²	31 (7)	57 (13)	132 (30)	185 (42)	330 (75)	577 (131)	860 (195)	1189 (270)	2554 (580)	6258 (1421)	10695 (2429)	
UVT RANGE	NOMINAL RANGE OF 80%-98%						70%-98%					
WATER TEMPERATURE	1°C to 40°C (34°F to 104°F)											
UV REACTOR												
NUMBER OF LAMPS	1	2	3	4	6	8	3	6	12	18	30	
MATERIALS OF CONSTRUCTION	TYPE 316L STAINLESS STEEL											
MOUNTING FEET (BRACKETS)	OPTIONAL						STANDARD					
MAX. OPER. PRESSURE PSI (BAR)	150 (10) ADDITIONAL PRESSURES AVAILABLE											
REACTOR WEIGHT (DRY) LBS (KG)		34 (15)	72 (33)	75 (34)	81 (37)	85 (39)	115 (52)	275 (125)	430 (195)	665 (301)	1200 (545)	
REACTOR WEIGHT (WET) LBS (KG)		65 (29)	149 (68)	150 (68)	160 (73)	162 (85)	230 (104)	530 (240)	860 (390)	1400 (635)	2250 (1150)	
WIPING SYSTEM AVAILABLE	N/A		MANUAL/AUTOMATIC				AUTOMATIC					
CONTROL PANEL (CP)												
BALLAST POWER LEVEL	ELECTRONIC CONSTANT OUTPUT (100%)						ELECTRONIC VARIABLE OUTPUT (60%-100%)					
ELECTRICAL - VOLTAGES	120 V (230 V EUROPE)		208 OR 240 V, SINGLE PHASE/2 WIRE + GROUND, 50/60 Hz L-L					400/230 V, 3 PHASE/4 WIRE + GROUND, 50/60 Hz L-L				
CONTROL PANEL RATING	TYPE 12 (IP54), TYPE 3R (IP24)					TYPE 12 (IP54), TYPE 3R (IP24), TYPE 4X (IP66)						
MATERIALS OF CONSTRUCTION	PAINTED MILD STEEL (TYPE 12) SS304 (1,4301 IN EUROPE) (TYPE 3R & TYPE 4X)											
INPUTS/OUTPUTS	5 ANALOG IN, 2 DISCRETE IN / 4 ANALOG OUT, 7 DISCRETE OUT											
INSTRUMENTATION												
UV SENSORS PER REACTOR* (DVGW/EPA)	1					1	1	2/1	2/1	3/1		
DIMENSIONS - INCHES (CM)												
WITHOUT AUTO WIPER	A:	33 (83)	33 (84)	47 (119)	47 (119)	47 (119)	47 (119)	68 (173)	66 (173)	68 (173)	68 (173)	70 (178)
	B:	27 (69)	30 (75)	43 (109)	43 (109)	43 (109)	43 (109)	62 (157)	60 (152)	59 (150)	56 (142)	56 (142)
FLANGE SIZE	C:	G 1½	3 (80DN)	4 (100DN)	4 (100DN)	6 (150DN)	6 (150DN)	6 (150DN)	8 (200DN)	12 (300DN)	16 (400DN)	20 (400DN)
	D:	30 (77)	6 (15)	8 (20)	8 (20)	8 (20)	8 (20)	8 (20)	11 (27)	14 (35)	17 (42)	21 (53)
	E:	N/A	6 (15)	7 (18)	7 (18)	7 (18)	7 (18)	7 (18)	9 (23)	12 (30)	15 (38)	18 (45)
	F:	29 (73)	50 (127)	60 (152)	60 (152)	60 (152)	60 (152)	70 (178)	70 (178)	70 (178)	70 (178)	70 (178)

*1 per 10 lamps as per DVGW & Önorm, 1 per reactor as per EPA.



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Aquafine is an ISO 9001:2008 certified company.

All specifications are subject to change without notice.
 For additional requirements, please contact Aquafine Corporation.