

LS HX™ Series

High Performance UV Systems

The LS HX™ series provides maximized disinfection for Liquid Sweetener applications in the beverage industry, with Aquafine's proven low-pressure, high-output HX lamp technology.

SHOWN
LS HX™
12R/60

INDUSTRIES | Food & Beverage

FLOWRATES: 25-150GPM @ 55%UVT



Aquafine disinfection systems can significantly reduce the microbial counts by destroying at least 99.9% of the bacteria present in the influent stream.

UV TECHNOLOGY

Aquafine LS HX™ systems are engineered to focus on the power of concentrated UV light utilizing several specially designed Aquafine Colorguard® HX lamps, recognized in the industry for unsurpassed performance and reliability. Specially manufactured with ceramic lamp bases, these lamps offer advantages over non-ceramic material such as greater high voltage electrical insulation, rigidity, superior strength, improved temperature tolerance and are impervious to UV degradation.

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 microorganisms or reduce chemical compounds present in the water.

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

APPLICATIONS | Disinfection

DESIGN CAPABILITIES | Modular Skid Systems

LS HX™ SERIES

Aquafine Liquid Sweetener (LS) systems are manufactured for the disinfection of syrups, including simple syrups, syrup mixes and high-fructose corn syrups.

With low-pressure high-output lamp (LPHO) technology, the HX lamp provides increased process performance and extended lamp life, while the systems compact size allows for a smaller footprint, maximizing installations flexibility. Single-ended (SE) HX lamps allow quick change-outs without tools.

The LS HX™ series consists of 316L stainless steel treatment chamber with sanitary connections and a standard stainless steel control cabinet, with a maximum cable length of 15 ft. (5m). The control cabinet features the UV & Temperature Monitoring System for 12 lamp models or UVG400 controller for 24 and 36 lamp models. Please see the reverse side for more information on features and options.



Aquafine®
60 Years of Pure Quality

LS HX™ Series

High Performance UV Water Treatment System

Model: LS HX™	12R LS HX	12R/60 LS HX	24R/60 LS HX	36R/60 LS HX
MAXIMUM FLOW RATE				
(@55% UVT) GPM (M ³ /HR)*	25 (6)	50 (11)	100 (23)	150 (34)
NUMBER OF UV LAMPS (HX SINGLE-ENDED)	12	12	24	36
ELECTRICAL REQUIREMENTS				
ELECTRICAL SUPPLY	120-240V/50-60Hz, SINGLE PHASE, 2 W + GND			208-240V/50-60Hz, SINGLE PHASE, 2 W + GND
OPERATING POWER (NOMINAL WATTS)	1345	1920	3800	5700
BALLAST TYPE	ELECTRONIC			
CONTROLLER/DETECTOR				
UV TEMP. & MONITORING SYSTEM	STANDARD		NA	
UV G400 SERIES	NA		STANDARD	
LAMP STATUS INDICATOR			STANDARD	
LAMP OUT ALERT (LOA)	OPTIONAL		STANDARD	
RUNNING TIME METER/CYCLE COUNTER			STANDARD	
HAND OFF AUTO (HOA) 24VDC	OPTIONAL		STANDARD	
4-20mA OUTPUT SIGNAL			STANDARD	
CONTROL CABINET				
CONTROL CABINET SYSTEM RATING	NEMA TYPE 3R			
MATERIALS OF CONSTRUCTION	STAINLESS STEEL			
TREATMENT CHAMBER				
MATERIALS OF CONSTRUCTION	316L STAINLESS STEEL			
INTERNAL SURFACE FINISH	Ra 32			
OPERATING TEMPERATURE °F (°C)	Water: 50° - 104° (10° - 40°) Ambient Air: 35° - 100° (2° - 38°)			
MAX. OPERATING PRESSURE PSI (BAR)	150 (10)			
INLET/OUTLET FLANGE SIZE - TRI CLOVER INCHES (MM)	2 (50)	3 (80)		4 (100)
SANITARY FITTINGS	STANDARD			
DIMENSIONS - FOR REFERENCE ONLY				
STANDARD CC DIMENSIONS - CARBON STEEL INCHES (MM) L X W X H	23 X 11 X 25 (584 X 280 X 635)		30 X 16 X 22 (762 X 406 X 559)	30 X 16 X 30 (762 X 406 X 762)
STANDARD TC DIMENSIONS - CARBON STEEL INCHES (MM) L X W X H	43 X 11 X 20 (1092 X 280 X 508)	72 X 12 X 23 (1829 X 305 X 584)	72 X 23 X 30 (1829 X 305 X 762)	72 X 34 X 30 (1829 X 864 X 762)

* Dose Level: >50 mJ/cm² after 9,000 hours of operation.



North America & International
29010 Ave Paine, Valencia, CA 91355
P 661 257 4770 F 661 257 2489
sales@aquafineuv.com www.aquafineuv.com

Europe
Ramskamp 77-85 D-25337 Elmshorn, Germany
P +49 4121 57806 13 F+49 4121 57806 30
saleseu@aquafineuv.com www.aquafineuv.com

Aquafine is an ISO 9001:2008 certified company.

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