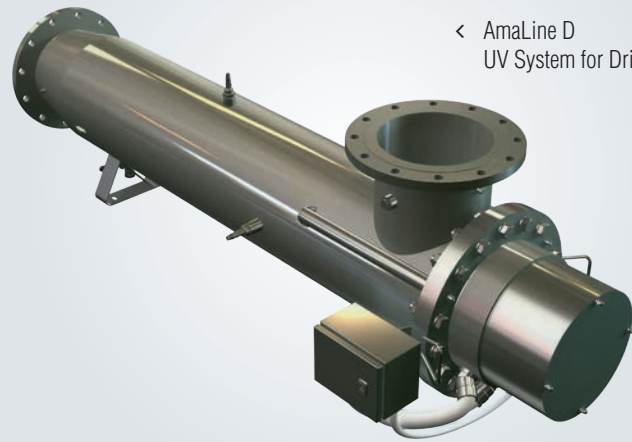
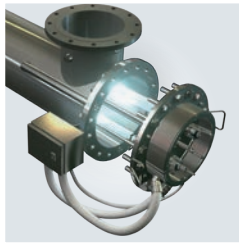
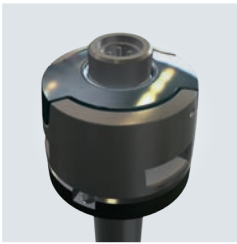


AmaLine D Range

UV FOR DRINKING WATER



- ✓ Patented lamp connector provides user safety and easy servicing
- ✓ Sleeves and wiper can be changed quickly and easily by a single operator



< AmaLine D
UV System for Drinking Water

AMALINE D-LOW ENERGY OPTION FOR POTABLE WATER

Aquionics AmaLine D systems are designed to be a low energy option for the potable water market.

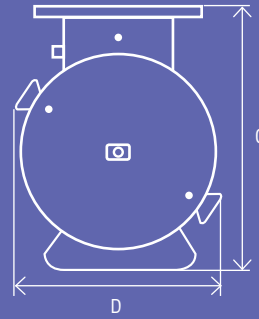
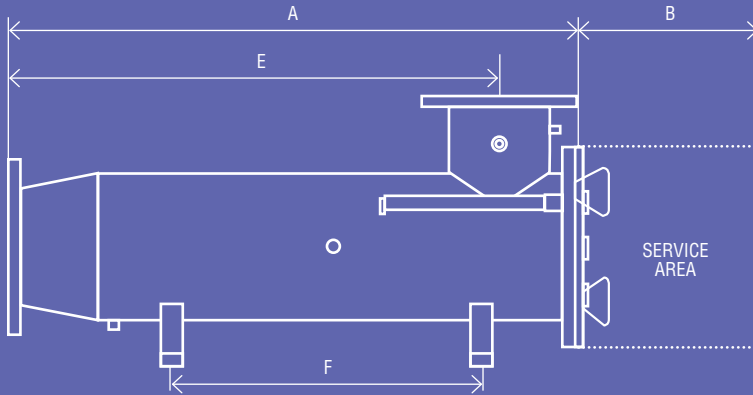
- By utilizing amalgam lamps and a patented inlet reactor configuration, an energy efficient system, combined with low head loss, provides for an optimized design.
- The unit is provided with automatic wiping to extend lamp life.
- A single operator can perform all maintenance requirements without the need for additional equipment or support.

KEY FEATURES	WHAT IT GIVES YOU	BENEFITS FOR YOU
Easy maintenance	Simple extending support arms to allow for quartz sleeve and wiper blade replacement	Single operator can quickly and easily carry out the maintenance without requiring external lifting equipment
	Improve operator safety with patented lamp connector	Lamp orientation is fixed ensuring easy and safe installation and optimum performance
	Lamp cannot be removed while chamber is energized	Simple, quick and safe lamp changes that self-align, allowing for minimum downtime and assurance of optimal system operation. Operator friendly design
	Lamp connector cannot be removed from pressurized system in the event of a broken sleeve	Protects operator from harm during lamp changes
Optimized design	Protects operator from harm during servicing	
	Efficient chamber design using CFD modelling, optimizes lamp(s) positioned in chamber	Ensures peak energy efficiency from the optimum distribution of intensity throughout the chamber, providing effective treatment
	Low pressure, high intensity, amalgam lamp technology with variable output ballasts (50 to 100%) provides low energy UV disinfection	Optimized power use for energy saving, low running temperature and greater lamp life
Validations	L shape chamber design, provides effective treatment of potable water and easy installation	Provides efficient treatment, and can be integrated easily into existing pipework
	UVDMG [2006]	Meets the latest USEPA drinking water standards

AmaLine 800D

AmaLine 1400D

AmaLine 2500D



UV CHAMBER

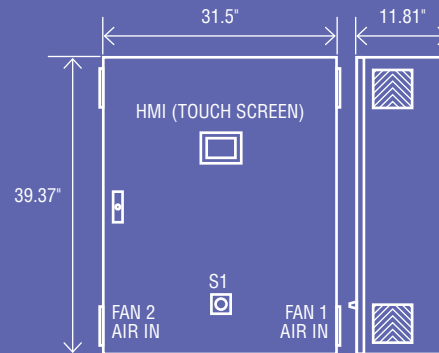
AmaLine 800D	A	B	C	D	E	F
Dimensions (inches)	86	76.5	29.3	24.5	76	53.9

AmaLine 1400D	A	B	C	D	E	F
Dimensions (inches)	86	76.5	30.3	25.6	74.3	53.9

AmaLine 2500D	A	B	C	D	E	F
Dimensions (inches)	86.4	76.5	43.9	39.4	69.4	53.9

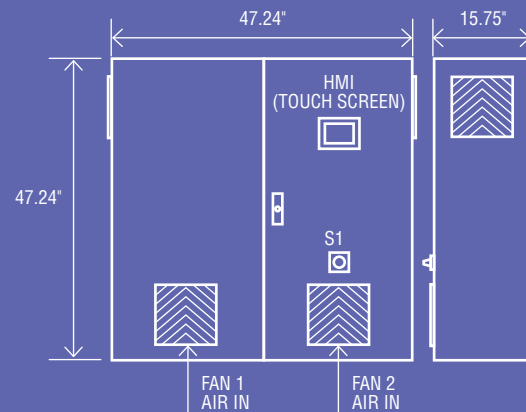
AmaLine 1400D

AmaLine 800D



POWER/CONTROL CABINET

AmaLine 2500D



POWER/CONTROL CABINET

UV CHAMBER SPECIFICATIONS		800D	1400D	2500D
UV Chamber:	Cylindrical stainless steel reactor	✓	✓	✓
Material:	Stainless Steel 316L, internal finish Ra _{max} 32 µin	✓	✓	✓
Degree of Protection:	NEMA 12	✓	✓	✓
Connection:	8" ANSI 150 lb	✓		
	16" ANSI 150 lb		✓	
	20" ANSI 150 lb			✓
Chamber Configuration:	"L" Shaped	✓	✓	✓
Weight (dry):	TBD	✓	✓	✓
UV Lamp Type:	800 W - LPHO (Amalgam)	✓	✓	✓
Number of Lamps:	4	✓		
	6		✓	
	12			✓
Sleeves:	Fused Quartz (Type 214)	✓	✓	✓
Sleeve Cleaning System:	Automatic Wiping	✓	✓	✓
Operating Pressure Rating:	72.5 psi			✓
	145 psi	✓	✓	
Working Fluid Temperature Range:	41 °F to 95 °F	✓	✓	✓
Maximum Hydraulic Flow:	5713 gpm	✓		
	7236 gpm		✓	
	18038 gpm			✓

ELECTRICAL CABINET SPECIFICATIONS		800D	1400D	2500D
Electrical Cabinet:	Combined power/control cabinet	✓	✓	✓
Dimensions:	39.37 x 31.5 x 11.8 in (HxWxD)	✓		
	39.36 x 31.5 x 11.81 in (HxWxD)		✓	
	47.2 x 47.2 x 15.7 in (HxWxD)			✓
Weight:	198 lbs	✓		
	221 lbs		✓	
	287 lbs			✓
Material & Color:	Painted Steel, RAL7035	✓	✓	✓
Degree of Protection:	NEMA 12 - Indoor	✓	✓	✓
Standard Cable Length (Cabinet to Reactor):	30 ft	✓	✓	✓
Ambient Operating Temperature Range:	41 °F and 104 °F	✓	✓	✓
Maximum Ambient Humidity:	95% (non-condensing)	✓	✓	✓
Controller:	Allen Bradley 850 Series (including Ethernet, Modbus)	✓	✓	✓
Lamp Driver Type:	Electronic (stepless variable lamp output 50 to 100%)	✓	✓	✓
Required Voltage Supply:	277/480 V 3L+N, 60 Hz	✓	✓	✓
Maximum Power Consumption:	3.6 kW (± 5 %)	✓		
	5.2 kW (± 5 %)		✓	
	10.3 kW (± 5 %)			✓
UL Labeling:	UL 508 A	✓	✓	✓

OPTIONAL FEATURE SPECIFICATIONS	
NEMA 4X Upgrade (w. cabinet air conditioners)	Stainless Steel Cabinet Upgrade – NEMA 12
USEPA UVDGM 3 rd Party Validation – Pending	Temperature Sensor
100 ft cable (maximum length)	145 psi operating pressure upgrade (not 1400 D, 800 D)

Note: Deviation from standard may result in change of chamber and cabinet size. Subject to change without notice

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