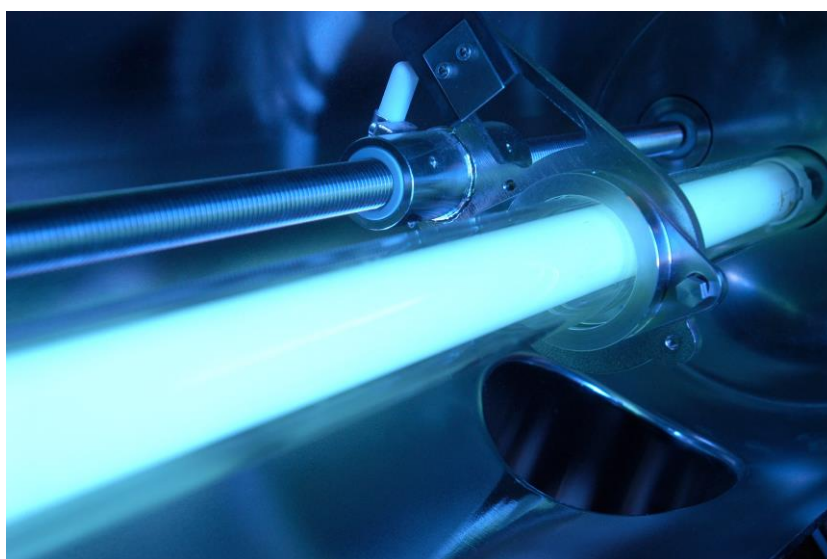


Datasheet



Berson AmaLine

AmaLine 300B



Type : AM.1D.S
Revision number : 161129.HK.01
Document version : 01.STD



UV reactor

Specifications	
UV reactor:	Cylindrical stainless steel reactor
Material:	Stainless Steel 316L, internal finish Ra _{max} 0.8 um
Degree of protection:	IP65
Connection:	Flanged, DN250 PN10 (other connections on request)
Installation dimensions:	"U" Shaped construction, flange to flange size 1372 mm
Flow optimization:	3D Integrated Baffle
Installation orientation:	Horizontal or vertical positioning
Weight dry/wet:	-- / -- kg (TBA)
UV Lamp type:	Amalgam
Number of lamps:	12
Sleeves:	Fused quartz
Sleeve cleaning system:	Auto Wipe cleaning mechanism
UV sensor:	Absolute UV Sensor
Temperature sensor:	Included
Pressure nominal / test:	10 / 15 bar
Water temperature, min/max:	5 / 35 °C
Hydraulic flow limit:	320 m ³ /h
Including - sampling ports - drain plug - mounting feet:	Yes

Electrical cabinet

Specifications	
Electrical Cabinet:	Combined power / control cabinet, wall mounted
Dimensions & weight:	1200 * 1200 * 400 mm (H*W*D), 140 kg
Material & color:	Painted steel, RAL7035
Degree of protection:	IP54
Cable length, cabinet to UV reactor:	5 meters (longer cable lengths available on request)
Ambient temperature, min/max:	5 / 40 °C
Ambient humidity, max:	95 %, non condensing
Control system:	PLC / Touch Panel Controller
Ballast type:	Electronic, step less variable lamp driver 3.2 to 6.4 kW
Mains supply voltage:	220/380V 3L+N to 240/415V 3L+N 50/60Hz (alternative supply on request)
Max. power consumption:	6.9 kW (±5%)

Optional features

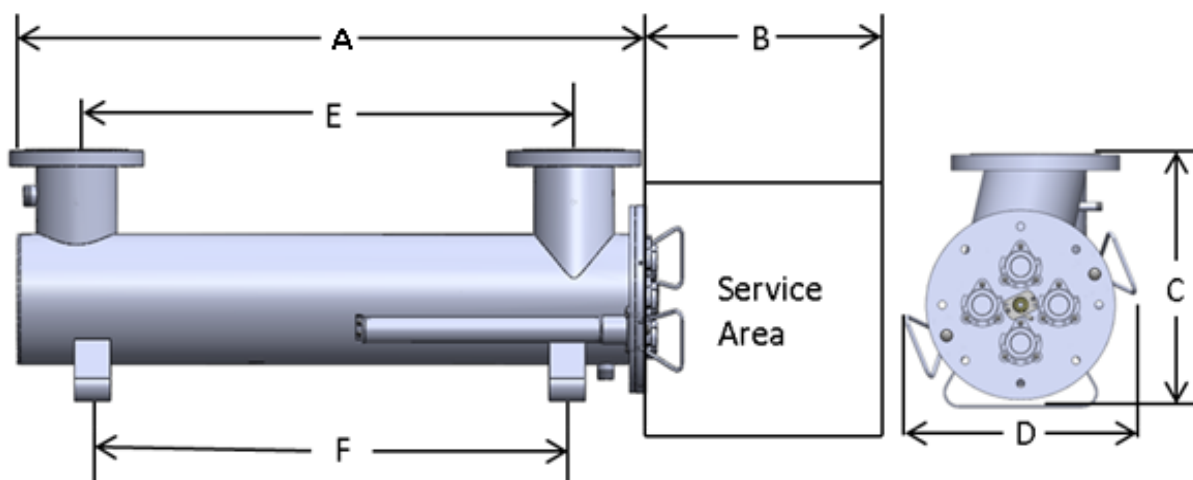
– IP55 / IP65 protection for electrical cabinet	– Stainless steel cabinet / NEMA 4(X) / ATEX protection
– Cable length > 5 meters (max. 30 m)	– Reactor internal finish Ra _{max} 0.35 um (electro polish)
– US EPA UVDGM Validation	– NWRI Validation

Note: Deviation from standard may result in change of reactor and cabinet size.

Subject to be changed without notice

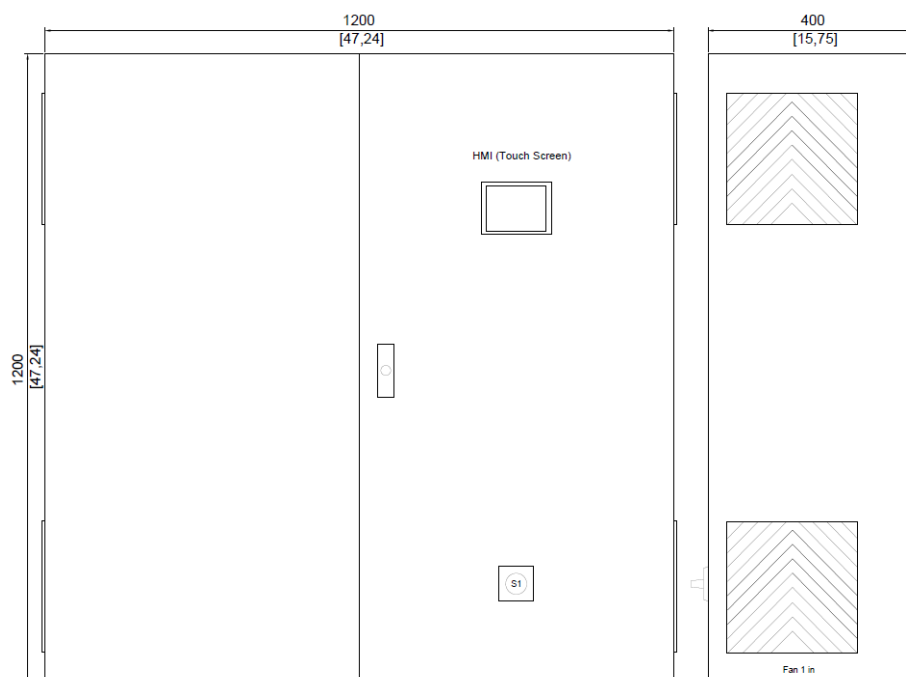


UV Reactor



AmaLine 300B	A	B	C	D	E	F
Dimensions (mm)	1800	1485	605	560	1372	1475

Power/Control Cabinet



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