

Dulcodes LP UV System

Make Your Facility Safe and Inactivate Infectious Organisms!



ProMinent®

The unique **Dulcodes LP UV** systems are synonymous with cutting-edge water treatment – extremely efficient and highly effective. Our patented **Vario-Flux high-output lamps**, featuring dynamic lamp heating and controlled by electronic ballast technology allow the lamps to be quickly and precisely dimmed over a broad power range of up to 50% of the nominal electrical power.

Features & Benefits

Stay Safe

- 3rd-Party Validated to MAHC 3-log Cryptosporidium requirement and the 400 J/m² MS2 RED per the New York State DOH
- Systems are EPA registered: EPA Est. 94453-CHK-1
- Electronic lamp drivers automatically adjust to changes in water clarity
- High flexibility thanks to vertical or horizontal installation

Stay in Control

- Optimized design through intensive computer simulation resulting in minimal pressure loss and uniform radiation dose

Stay Economical

- Electronic lamp drivers run the lamps at lowest possible power level to save \$\$\$ and improve lamp longevity

- Dynamic lamp heating keeps lamps in the optimal temperature range
- Reduced life cycle costs due to the long service life of Vario-Flux high-output lamps with low energy consumption and high UV output
- Quick lamp change feature requires less labor
- IIoT ready

Certifications

- NSF50 (2012 standard); Annex H
- Single Pass validation for Cryptosporidium
- Electrical Certification: UL 508A, CSA C22.2 No. 14



Certified to
NSF/ANSI Standard 50



Dulcodes LP UV System

Technical data

Lamp type..... Vario-Flux low pressure lamp
Controller type Delux controller
Permissible operating pressure 150 psi
Permissible ambient temperature... 41-104 °F
Permissible water temperature..... 37-160 °F
Enclosure rating..... NEMA 12 (NEMA 4 cabinet with A/C available as an option)

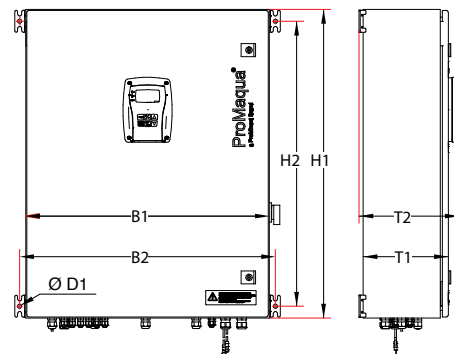
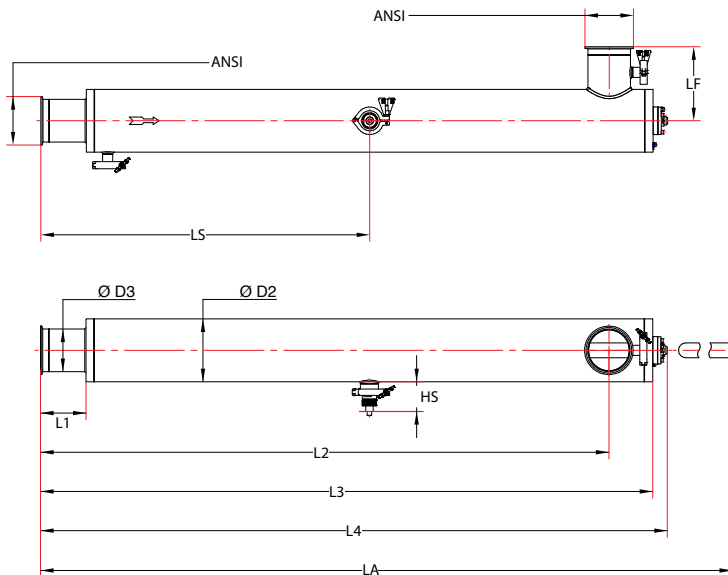
Technical Data

Model	Part Number	# of Lamps	Power Output	GPM Max. @ 400 J/m ² @95% UVT	GPM Max. @ 600 J/m ² @95% UVT	Flange Size	Phase	Unit Voltage	FLA Amps	Chamber Weights Dry/Wet	Cabinet Weights	Shipping Dimensions (L x W x H)
			Watts	GPM	GPM	in.		V	A	lbs.	lbs.	in.
1x230LP	1080083	1	310	143	95	3"	1	230	2.0	42.0/70.5	67	69.7 x 38.2 x 20.1
1x350LP	1080084	1	430	198	132	4"	1	230	2.5	66.1/132.3	67	70.5 x 52.0 x 21.1
2x350LP	1080086	2	835	458	304	6"	1	230	4.5	123.5/282.2	75	70.5 x 52.0 x 21.1
3x230LP	1080087	3	825	537	357	6"	1	230	5.0	143.3/306.4	83	70.5 x 52.0 x 21.1
4x350LP	1080088	4	1240	810	542	8"	1	230	6.5	185.1/482.8	83	79.5 x 65.7 x 25.2

Note: Additional flange sizes available upon request based on flow range and pipe velocity. All dimensions/ weights are approximates.

UV System Flowrates Sized for 95% UVT

Drawings



*Standard length is 26.2 ft., longer cables available upon request

Model	ANSI	B1	B2	H1	H2	T1	T2	Ø D1	Ø D2	Ø D3	HS	L1	L2	L3	L4	LS	LF	LA
1x230W	3"	23.6	24.8	29.9	27.6	8.3	9.7	.40	5.5	3.5	3.1	2.6	41.5	45.3	46.9	24.0	5.5	87.2
1x350W	4"	23.6	24.8	29.9	27.6	8.3	9.7	.40	6.6	4.5	3.2	4.8	59.9	64.6	66.1	34.7	7.8	122.2
2x350W	6"	23.6	24.8	29.9	27.6	8.3	9.7	.40	10.1	6.6	3.2	4.8	58.9	64.6	66.1	34.7	9.5	122.2
3x230W	6"	23.6	24.8	29.9	27.6	8.3	9.7	.40	10.1	6.6	3.2	4.0	41.0	46.7	48.2	25.3	11.0	89.0
3x350W	8"	23.6	24.8	29.9	27.6	8.3	9.7	.40	12.8	8.6	3.2	5.1	67.5	73.0	75.7	39.6	10.9	135.8

Note: All above measurements are in inches.

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