

DULCODES POWERLINE UV-DISINFECTION SYSTEMS



Dulcodes Powerline UV-systems from ProMinent

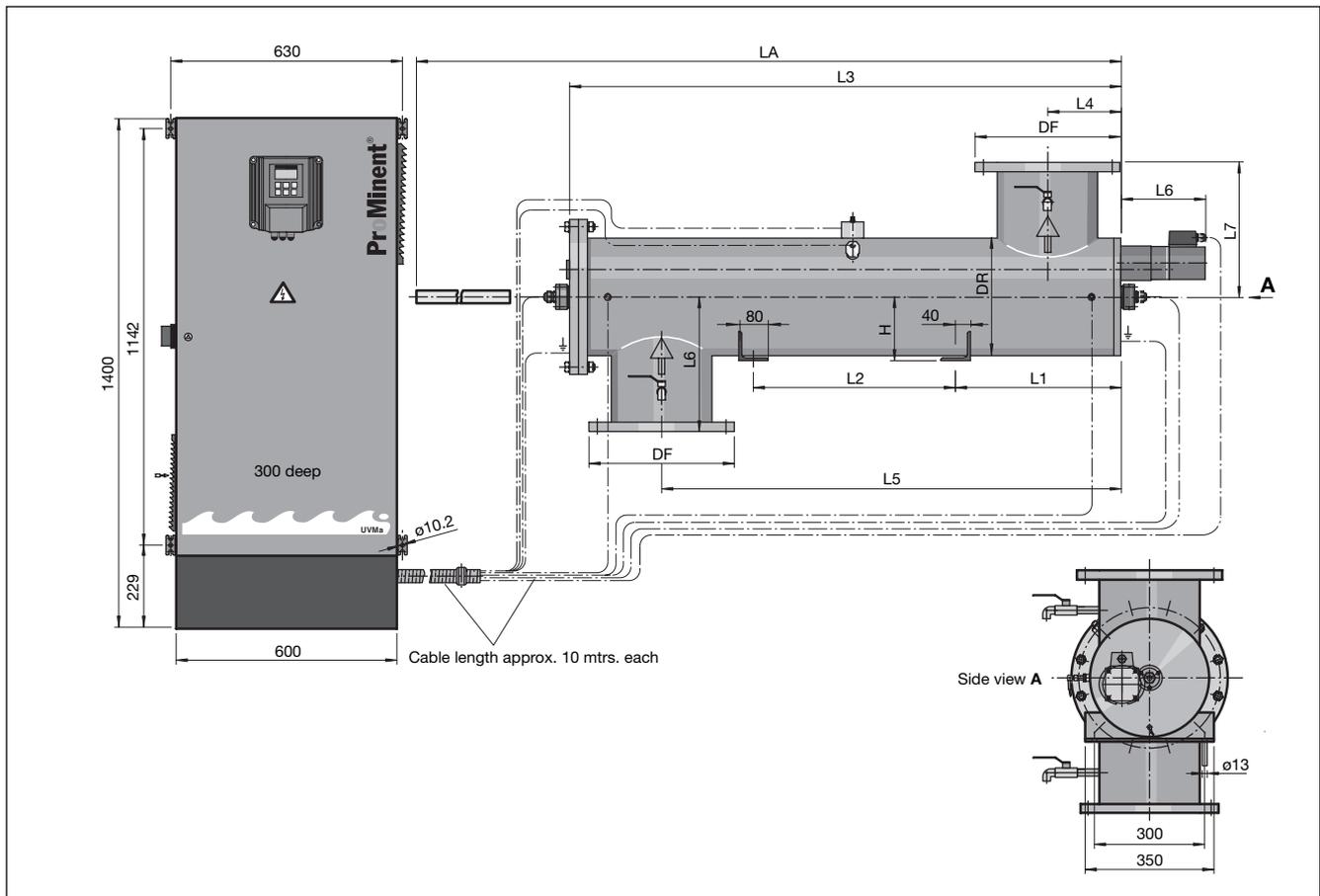
The Dulcodes Powerline UV-disinfection systems are used for the disinfection and/or treatment of potable water, industrial water and swimming pool water. In the Powerline UV-disinfection process the water to be disinfected is subjected to short wave UV-light radiation. This so-called UVC-radiation is a rapid and reliable germicide. UV-radiation also effectively decomposes pollutants, e.g. bound chlorine in the treatment of swimming pool water. In the food, beverage and

cosmetic industries, oxidants such as ozone, chlorine and chlorine dioxide can be reliably used, thus avoiding the use of expensive activated carbon filters. The system uses a UV-high power lamp which produces particularly effective UV-radiation. The lamp is housed in a high quality protective lamp tube with excellent UV-transmission characteristics. The protective lamp tube is easy to remove. The system performance is continuously monitored by a

highly sensitive UVC-sensor. The sensor can be calibrated and is resistant to temperature and wear and tear. An automatic motorised wiper effectively removes deposits from the protective lamp tube. An additional temperature sensor monitors the water temperature in the radiation chamber. Dulcodes Powerline UV-systems incorporate a bead-blasted stainless steel radiation chamber with optimised intake dimensions to ensure even radiation of the entire water

flow. The radiation chamber is made of 1.4571 grade steel. The UV-system is controlled by a large multi-row display in which the operating status is shown in clear text. A graphical display shows the temporal progress of the UVC-sensor signal. The operator can program the integrated microprocessor to carry out commissioning flushing and intermittent flushing programs. Free flushing is automatically triggered when the temperature exceeds the maximum limit.

Type	Number of lamps	Lamp power (kw)	Connection power (kw)	Length of radiation chamber (mm)	Minimum clearance for lamp replacement (mm)	Diameter (mm)	Shipping weight (kg)	Nominal connection width
1*2ML/22/DN100	1	2	2.3	850	900	220	146	DN 100
1*4ML/27/DN200	1	4	4.2	1200	1250	270	190	DN 200
1*6ML/32/DN250	1	6	6.2	1200	1250	320	230	DN 250
1*8ML/32/DN250	1	8	8.2	1500	1550	320	240	DN 250
1*10ML/32/DN250	1	10	10.2	1500	1550	320	240	DN 250
1*10ML/40/DN300	1	10	10.2	1500	1550	400	283	DN 300



Type	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	L5 (mm)	L6 (mm)	L7 (mm)	LA (mm)	ØDF (mm)	ØDR (mm)	H (mm)	Flange DIN 2576 PN 10
1x2ML/22/DN100	-	-	850	130	690	250	250	1750	220	219.1	-	DN100x114.3
1x4ML/27/DN200	-	-	1200	175	990	325	240	2450	340	273	-	DN200x219.1
1x6ML/32/DN250	250	450	1200	200	950	370	240	2450	395	323.9	175	DN250x273
1x8ML/32/DN250	350	630	1500	200	1250	370	240	3050	395	323.9	175	DN250x273
1x10ML/32/DN250	350	630	1500	200	1250	370	240	3050	395	323.9	175	DN250x273
1x10ML/40/DN300	350	630	1500	225	1225	400	240	3050	445	416.4	215	DN300x323.9



Subject to technical changes.
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Addresses and delivery information may be obtained from the manufacturer:
ProMinent Dosiertechnik GmbH
Im Schuhmachergewann 5-11
69123 Heidelberg
Postfach 10 17 60
69007 Heidelberg · Germany
Telefon 06221 842-0 · Fax 842-419
info@prominent.de · www.prominent.de

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