



WEDECO SA Series

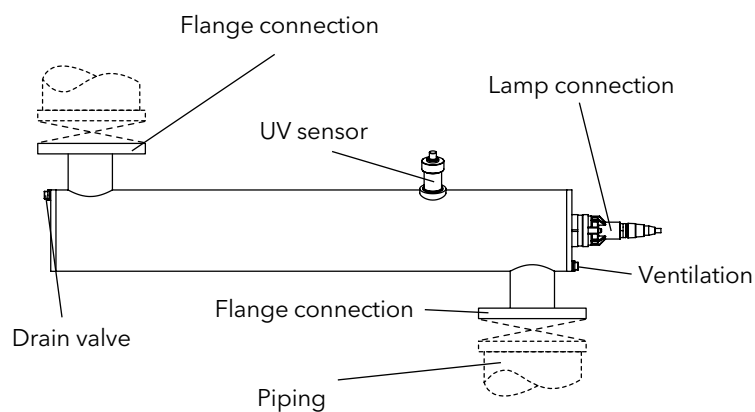
UV DISINFECTION OF WATER ON SHIPS

WEDECO
a xylem brand

Ships & Offshore

The element of water is not only the route of transportation in worldwide navigation. It is also required as an important provision and necessary operating resource on ships, yachts as well as offshore platforms. Due to the long transport over the most diverse waterways and seas without natural sources of drinking water, the water carried is subject to special requirements. For the micro-biological treatment of drinking water, ship waste water and ballast water, the pollution free WEDECO UV technology is a sensible alternative to chemical disinfectants or expensive membrane systems. It therefore makes a contribution to the health on board and to the protection of the oceans and their ecological systems. Micro-biologically harmless drinking or industrial water on ocean and inland vessels

has always been a basic condition for every successful passage. The WEDECO UV technology is ideally suitable for providing the precious water in germ-free quality. The great advantage of UV light compared to other techniques is in the environmentally friendly way in which it works. Viruses, bacteria and parasites are inactivated by a photochemical reaction between the UVC radiation and the genetic information carrier (DNA) of the pathogen within seconds. The pathogen cannot multiply any longer and dies. Since this is a purely physical technique, the pathogen types can also not become resistant to the UV-radiation. No harmful by-products are formed in the water and the natural taste and odour of the water is also preserved.



Type	Flow rate approx.* m ³ /h	Flange connection	Power consumption (W)	Reactor dimensions W x H x D mm
SA 2	3,0	R ¾"	70	130 x 750 x 140
SA 4	5,7	R 1½"	115	210 x 570 x 160
SA 10	10,4	DN 65	140	300 x 900 x 160
SA 15	16,1	DN 80	230	320 x 1.090 x 174

* 400 J/m²; UV transmittance = 86 % per 1cm acc. German Lloyd Certificate.
All specifications are subject to change without notice.

Advantages at a glance

- » High disinfection performance with low energy consumption
- » Certified in accordance with GL, SeeBG and DVGW W294-2 for drinking water
- » Compact construction
- » Operation in cold or warm water
- » Operation even at high ambient temperatures



Xylem |'zīləm|

- 1) The tissue in plants that brings water upward from the roots
- 2) A leading global water technology company

We're 12,000 people unified in a common purpose: creating innovative solutions to meet our world's water needs. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. We move, treat, analyze, and return water to the environment, and we help people use water efficiently, in their homes, buildings, factories and farms. In more than 150 countries, we have strong, longstanding relationships with customers who know us for our powerful combination of leading product brands and applications expertise, backed by a legacy of innovation.

For more information on how Xylem can help you, go to xyleminc.com.



WEDECO



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Let's Solve Water

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