

Potable water | Process water | Pool water | Waste water | Pond water

Chemical free UV-Sterilizer

UltraBord 200/300



Design features and benefits:

- complete product line with proven configurations
- 10.000 hrs. guaranteed lamp life – high reliability, low operation cost
- reliable and robust design – user friendly, easy service
- built to highest industrial standards – accepted world wide
- high quality made in Germany – low cost of investment and operation

INNOVATION by
UEBERALL

UEBERALL

UV Sterilizer series

UltraBord 200 / 300

Every day more than 6.000 Ueberall systems provide safe, chemical-free disinfected water for industry, hospitality and public water supply world wide.

The UltraBord design represents the advanced state-of-the-art development of UEBERALL UV sterilizers for a variety of applications where reliability and ease of maintenance counts.

By utilizing High capacity Amalgam UV lamps of 200 and 300 Watt each,

the UltraBord product line reflects the technical progress over the last 20 years.

When selecting the right UV sterilizer for your specific flow rate and UV dose requirement, you will always find the suitable UltraBord model providing exactly the right amount of UV power required!

The control panels come with a mild steel housing for wall mounting, glossy painted in light grey or any other optional colour. They provide a high protection class of IP 54 and provide all necessary features for ignition and operation of the UV lamps, UV monitoring and operation status.

Three pilot power LEDs indicate proper operation (green), pre-alarm (yellow) and alarm status (red).

Additionally, the UV intensity is displayed by an LED meter "0 – 110 %" or optional in "W/m²".

As a unique feature, all UltraBord systems display the UV lamp configuration on the control panel door for „visual management“ of the operation status of each lamp. In case of a failure, the indicator light turns from green to red and clearly indicates which lamp has to be checked or replaced.

The integrated, resetable LCD hour meter provides full control over the operation hours of the lamps installed.

All UB2 and UB3 UV sterilizers incorporate the state-of-the-art BLUE WAVE electronic ballasts for efficient, smooth and

Since 1967 the brand name UEBERALL stands for reliable, innovative and economic water treatment and UV disinfection equipment.

economic UV lamp start, operation and control.



Unique UV Sensor design (patented) for easy and reliable monitoring of UV lamp and operation status.

The advanced reactor design provides optimized hydraulic conditions for the UV disinfection process.

At the same time the UltraBord UV reactors can be configured with Inlet options "A", "B" and "C" for easy implementation on site.

When installation space is very limited please select the shorter UB2 types, while UB3 minimize number of lamps installed as well as cost of investment and operation.

Compared to other cleaning devices on the market, our sophisticated wiper system UVISION WS is very economic. It provides in place cleaning of quartz jackets and UV sensor window during operation under full operational



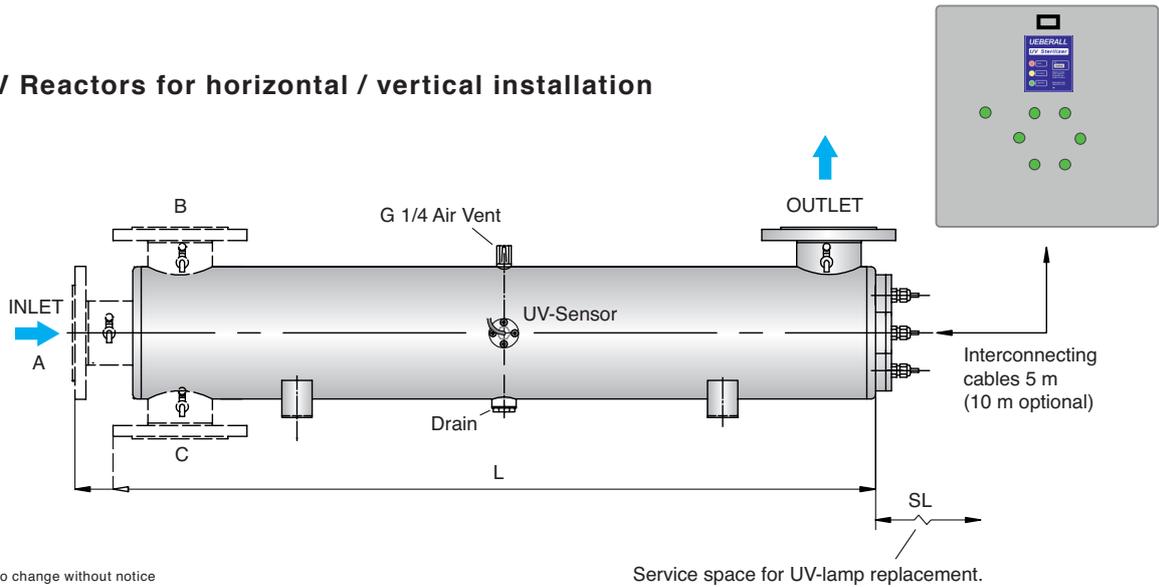
At the Nestlé „Nespresso“ production site in Avanche, Switzerland, 3 units UB2-2 disinfect 25 m³/h each of filtered rain water and helps to save potable water for toilet flushing and on site cleaning every day



An example of a UB3-8 unit disinfecting 140 m³/h of pool water after filtration, to a pleasant and healthy water quality at Dorfhotel Rantum, Sylt, Germany

Dimensional Drawing

■ UV Reactors for horizontal / vertical installation



pressure, without emptying the UV reactor!

Our well proven design grants smooth wiping utilizing our special UV resistant wiper rings which are easy to replace when necessary.

UV reactors with the optional wiper system WS include the removable end plate at minimum additional investment cost.

The optional wiper system is available for selected UB2 or UB3 models, optionally fully automatic design.

Type	L [mm]	SL [mm]	Recommended INLET Flange Options ND [mm]		
			A	B	C
UB3-1	1695	1650	-	65/2-1/2	65/2-1/2
UB2-2	1320	1300	80/3	-	-
UB3-2	1695	1650	-	80/3	80/3
UB2-3	1320	1300	80/3	-	-
UB2-4	1320	1300	100/4	-	-
UB3-3	1695	1650	-	100/4	100/4
UB3-4	1900	1700	100/4	100/4	100/4
UB2-6	1320	1300	125/5	-	-
UB3-6	1900	1700	150/6	-	-
UB3-8	1900	1700	200/8	-	-
UB3-10	1900	1700	200/8	-	-
UB3-12	1900	1700	250/10	-	-
UB3-15	1900	1700	250/10	-	-



Special UV resistant wiper rings for best cleaning result - easy to replace when necessary.



UV STERILIZER

ULTRABORD series

	UB3-1		UB3-2		UB2-3		UB2-4		UB3-3		UB3-4		UB2-6		UB3-6		UB3-8		UB3-10		UB3-12		UB3-15	
	1	2	2	3	3	4	4	4	3	3	4	4	6	6	6	8	8	10	10	12	12	15	15	
UltraBord 200																								
UltraBord 300																								
No. of lamps installed	300	200	300	200	300	200	200	200	300	300	300	300	200	200	200	2.400	2.400	3.000	3.000	3.600	3.600	4.500	4.500	
El. Power of UV lamp ea.	[W]																							
El. Power consumption total	[W]	300	400	600	800	800	800	800	900	900	1.200	1.200	1.200	1.200	1.800	2.400	2.400	3.000	3.000	3.600	3.600	4.500	4.500	
Power Supply	V/Hz	220 - 240 V 50 / 60 Hz																						
Control Panel for wall mounting [HxWxD]	[mm]	600x600x210																						
Protection Class CP Reactor	[IP]	54 / 65																						
Material / Surface Control Panel		Mild Steel / Stove enamelled RAL 7035 (light grey)																						
Material / Finish Reactor		Stainless Steel 316L pickled and e-polished																						
Pressure Rating Reactor NP	[bar]	10																						
Testing Pressure Reactor	[bar]	15																						
Pressure Drop Reactor at Nom. Cap.	[bar]	< 0.1																						
UV Intensity Control System	✓	1 UV Sensor w/ LED controls (green / yellow / red), *0 - 110 % UV Intensity LED display w/ calibration																						
UV Lamp Control System	✓	1 for ea. UV lamp, w/ Bi-colour power LED on CP door (green = operation / red = failure)																						
Temperature Control (CP)	✓	Air blower w/ filter w/ high-temperature switch, alarm and Bi-colour power LED on CP door																						
Remote UV Control	✓	4 - 20 mA																						
Remote Main Alarm	✓	potential free, make and brake																						
Remote Pre-Alarm	✓	potential free, make and brake																						
Interconnecting cables	✓	5 m, for ea. UV lamp and UV sensor, shielded execution																						

OPTIONS

Other power supplies	as per local requirement
Other Control Panel Colour	as per requirement (any RAL or MUNSELL colour code)
Material Control Panel	Stainless Steel 1.4301 (304) / 1.4571 (316Ti)
Reactor Flanges	ANSI 150 lbs., or as per local requirement
Temperature Control Reactor	w/ high-temperature switch on top of reactor, alarm and Bi-colour power LED on CP door
Remote ON / OFF	external signal, 24 V / 230 V / potential free
Skidded unit	compl. Pre-assembled and wired on common skid frame for instant switch-on
Manual Cleaning Wiper for quartz sleeve(s)	2 wiper rings per quartz sleeve, w/ handle and lock (operation / transport position)
Automatic Cleaning Wiper for quartz sleeve(s)	2 wiper rings per quartz sleeve, w/ central pneumatic plunger drive (ext. press. service air required)
Safety-Butterfly Valves	for automatic shut down in case of alarm / power black-out (pneumatic / electrical drive)
Interconnecting cables	10 m, for ea. UV lamp and UV sensor, shielded execution

subject to change without notice

■ For correct sizing please contact UEBERALL GmbH or your local Representative.

