

UV SERIES

SECONDARY SANITATION SYSTEM



EXPERIENCE THE DIFFERENCE WITH BRAUER SWIM

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Brauer Industries UV technology enhances water quality to ensure bather comfort, regulatory compliance and peace of mind. The UV series incorporates a medium pressure UV lamp in a compact design to ensure ease of installation with maximum disinfection and breakdown of combined chlorine (chloramines).

The control unit is fitted with electronic ballasts, which can be adjusted to control lamp output via external signal from the Brauer B Smart controller or by manually adjusting lamp output to the desired setpoint. The UVC intensity sensor and temperature probe ensures that the system is operating at its optimum levels and indicates levels on the touch screen interface which also has the option to monitor the system from your PC or smart device.

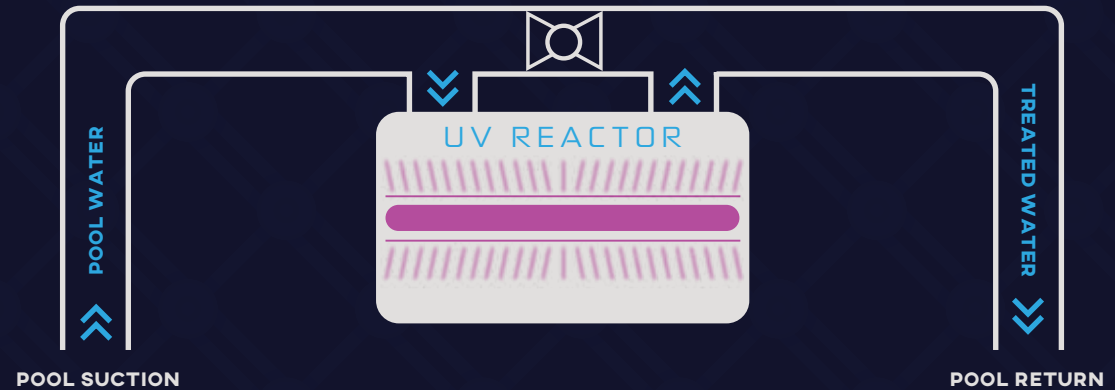
THE PERFECT SOLUTION FOR

- ▶ Learn To Swim Pools
- ▶ Aquatic Centres
- ▶ Water Parks
- ▶ Hydrotherapy Pools
- ▶ Resorts & Hotels
- ▶ Recovery Spa's

COMPARISON CHART

	CHLORINE ONLY	UV & CHLORINE
Efficiency against bacteria	Not 100%	Very Good
Destruction cryptosporidium and giardia	Not Very Effective	Very Effective
Oxidation power	Effective	Good
Removal of inorganics	Effective with Super Chlorination	Good
Removal of colour, odour, taste	Some	Good*
Turbidity reduction	Not 100%	Not 100%
COD reduction	None	Slow*
TOC reduction	Not Very Effective	Slow*
Destruction of urine components	Not Very Effective	Relatively Good
Chloramine removal	Very Slow	Good

BRAUER UV SERIES PROCESS



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PRODUCT HIGHLIGHTS

- Destroys Chloramines
- Reduces the need for Shock Treatments
- Flow switch safety interlock
- Kills Cryptosporidium and Giardia
- UV cannot be over dosed
- Designed to take full flow
- Reduction of Total Chlorine
- Turbulent flow for uniform UV dose distribution
- Simple to install, use & maintain
- Automatic UV intensity adjustments*
- Z or U configuration water inlet/outlet ports
- Australian Made
- Effective against all micro-organisms
- Reliable disinfection performance
- Vastly improved water quality
- Robust, corrosion resistant HDPE chamber
- Deigned for fresh or salt water
- High performance polychromatic medium pressure UV lamps
- UV produces no by-products
- Thermostat heat protection

TECHNICAL DATA

BRAUER SWIM UV SERIES	LAMP POWER KW	MAX LOAD KW	PEAK FLOW @600 J/M2 M3/HR	FLANGE CONNECTION INCH TABLE E	REACTOR LENGTH MM	SERVICE CLEARANCE MM	CONTROL UNIT DIMS MM
BRAUER UV01 SERIES	1	1.1	63	6"	1100	1000	600 x 600 x 360
BRAUER UV02 SERIES	2	2.1	126	6"	1100	1000	600 x 600 x 360
BRAUER UV035 SERIES	3.5	3.7	140	6"	1100	1000	600 x 600 x 360

Brauer UV Series EOL (end of lamp life) UV Dose of 60mJ/cm2 (600J/m2) @95%UVT for chloramine reduction

Lamp type	Medium-pressure lamp
Permissible operating pressure	4 bar
Permissible ambient temperature	1 – 50 °C
Permissible water temperature	1 – 40 °C
Warranty	24 month warranty on control unit 8,000 hour pro-rata on lamp
Enclosure rating	IP54