

## Exxel Series

### UV Water Treatment Systems

Excellent design with excellent disinfection for commercial and industrial use.



- Effective & instant treatment from 10 m<sup>3</sup>/h up to 22 m<sup>3</sup>/h
- No chemical usage and residual effect
- Easy installation and maintenance
- When the mean flow rate is met, it destroys bacteria and viruses at a ratio of 99.99%.
- SS 304 Stainless steel U.V. reactor with flanged connections
- Electric control board
- Sight port plug
- U.V. signal lamp
- U.V. hourmeter
- Silicone O-rings
- Control board time delay relay
- Stainless steel mounting bracket
- Maximum operating pressure: 10 bar

Optional:

- PLC Control
- Automatic Wiper Mechanism
- Digital U.V.C Monitor
- Maximum operating pressure: 16 bar
- Temperature Sensor
- SS 316 Stainless Steel Reactor
- Cleaning port
- Audible failure notification
- Contact output



EXXEL™ water purifiers provide germicidal ultraviolet radiation that is lethal to bacteria, viruses and other microorganisms present in common water. They are constructed from high quality stainless steel; with removable flanged heads at both ends. High flow rates and modular design allow the purifiers to operate at any capacity. Separate control panel indicates the unit status and makes expanding to optional features easy.

#### Water Quality Requirements

Dissolved and/or suspended solids in the water that has to be disinfected will affect UV disinfection and must be taken into consideration when installing a UV disinfection system. UV transmission is a measure of the transparency of water for UV radiation. Transmission is generally dependent on the amount of humic acid, dissolved solids, iron and manganese it contains.

MODEL	FLOW RATE		I/O	POWER	MAX PRESSURE	DIMENSIONS
	gpm	m <sup>3</sup> /h				LxBxH (mm)
Exxel 40	40	10	2"	228 W	10 bar	940 x 200 x 305
Exxel 65	65	15	2"	342 W	10 bar	940 x 225 x 375
Exxel 100	100	22	2 1/2"	456 W	10 bar	940 x 225 x 375

### UV Sensitivity of selected microorganisms

ORGANISM	TYPE	DISEASE	Mic W sec / cm <sup>2</sup>
Streptococcus	Bacteria	Strepthroat	3.800
Dysentry Bacilli	Bacteria	Diarrhea	4.200
Staphylococcus	Bacteria	Boils	6.600
Fecal Coliform	Bacteria	Diarrhea	6.600
Salmonella	Bacteria	Food Poisoning	10.000
Bacteriophage (E.Coli)	Virus	Boils	6.600

### Optional monitor

