Ultraviolet Systems

Ultraviolet disinfection with lamp monitoring and intensity control

Ultraviolet Systems disinfect water by passing it through a treatment chamber housing a high efficiency ultraviolet lamp. Every system monitors lamp hours, carries an in-built alarm and shows lamp life remaining, so the lamp is replaced before performance drops rather than after.

Systems are supplied in two ranges. Cobalt provides that monitoring in a compact unit. Platinum adds an ultraviolet intensity monitor, flow paced lamp intensity for extended lamp life and temperature control, a safety lock, and 316 stainless steel construction, for applications where disinfection performance has to be verified continuously.

KEY FEATURES

- High Efficiency Ultraviolet Lamp
- Lamp Hours Monitor
- In-built Alarm System
- Lamp Life Remaining Meter
- Two Ranges to Suit the Application
- Stainless Steel Treatment Chamber
- Advanced Monitor Control System

PRODUCT APPLICATIONS

- Potable Water Disinfection
- Rainwater Reuse
- Process Water
- Bore Water
- Point of Entry Treatment



PRODUCT SPECIFICATION

Model No.	Dimensions (mm)	Power (W)	UV Dose (mJ/cm^2)	Flow Rate (L/s)
VP600/2A	780 x 83	70	16	2.52
VP600/2A	780 x 83	70	30	1.89
VP600/2A	780 x 83	70	40	1.39
VP9502/A	1140 x 89	95	16	3.79
VP9502/A	1140 x 89	95	30	2.90
VP9502/A	1140 x 89	95	40	2.52

SELECTING A UV DOSE

Flow rate depends on the ultraviolet dose required. A higher dose means a longer exposure time, so the flow through the chamber must be lower. The dose needed depends on the water quality and the organisms being targeted, and is usually set by the relevant guideline or authority for the application.

