

## ASAMS SYSTEM 12 BLACK LIGHT

Based on the successful ASAMS SYSTEM 12 MAGNETIC PARTICLE INSPECTION Underwater Ultraviolet Black Light, the SYSTEM 12 BLACK LIGHT was introduced when it was established there was a requirement for a shallow water Ultra Violet lamp for uses other than weld inspection. Typical uses are Fluorescent dye tracing, petroleum based leak detection and underwater forensic work.



### System Features:-

- ◆ Totally self contained
- ◆ 12 volt battery powered
- ◆ High intensity switchable UV Lamp
- ◆ Depth rating can be increased with simple modifications

Reducing the depth capability of the original lamp from 300 metres to 60 metres enables us to increase the UV output to around 3.25MW at 450nm, should depths greater than 60 metres be required the lamp can be re-rated with a simple modification.

The pressure housings for the battery/electronic control unit and the lamp are fabricated from anodised aluminium alloy and are pressure tested to a depth of 180 metres. A unique power saving feature of the unit is that the lamp can be switched on and off by the diver. The electronic control system used for the gas discharge bulb in the UV lamp enables maximum UV output to be produced within 30 seconds of switching on the lamp.

With a few simple modifications and the purchase of the ASAMS Electromagnetic yoke and ink dispensing system, the Black light can be converted to the System 12 Magnetic Particle Inspection Unit.