

DRINKING WATER STERILIZING SYSTEM COMPRISING OF 8W UV STERILIZER & KITCHEN SPRING FILTER SYSTEM



8W UV Sterilizer



IX250 Filter System

OR



IX600 Filter System

Equipment Overview

This equipment will provide a sterile "point of use" drinking water supply.

The equipment comprises of:-

- 8 watt UV System with control box and audible lamp failure alarm, mounted on a 410mm x 320mm board.
- Kitchen Spring IX250 or IX600 water filter system.

Water is firstly filtered through the Kitchen Spring IX250 or IX600 Filter System, this removes the majority of suspended solids and dissolved organisms, essential for effective UV treatment. The water is then passed through the UV chamber where ultraviolet light kills any organisms by destroying their DNA.

The UV System

- Lamp Failure Indicator (L.F.I.). Should the lamp fail a sensing system will activate a warning indicator and an internal buzzer along with a volt free relay contact which can be used to initiate a remote warning device. P.T.O. for further details.

- The UV system runs on a power supply of 240 v AC.

The UV Chamber

- Constructed from food grade 316L stainless steel.
- The chamber incorporates a low pressure lamp contained within a high purity quartz sleeve that protects it from the liquid.
- A diffuser system within the chamber ensures turbulent flow - a flow regulator is fitted as standard.
- The chamber comes complete with 'push fit connectors'.

Warning: This equipment is designed to sterilise a water supply which is otherwise potable, it is advisable to have the water source properly tested by your local Environmental Health department if you are unsure of the water quality.

TECHNICAL SPECIFICATIONS

MODEL	8/2S
SPECIFICATIONS FOR CHAMBER	
FLOW RATE	50 GAL/Hr 4 Ltr/Min
PRESSURE RATING	10 Bar
LAMP LIFE	5000 Hours
DIMENSIONS	See Diagrams overleaf
WEIGHT	860g
CONSTRUCTION	Food Grade 316L Stainless Steel
SPECIFICATIONS FOR CONTROL BOX	
POWER SUPPLY	Standard: 220 - 240 VAC 50 Hz (Other ratings available on request including D.C. low voltage supplies)
POWER RATING	14VA
CONSTRUCTION	PLASTIC
PROTECTION RATING	IP54 with L.F.I.
WEIGHT	1 KG

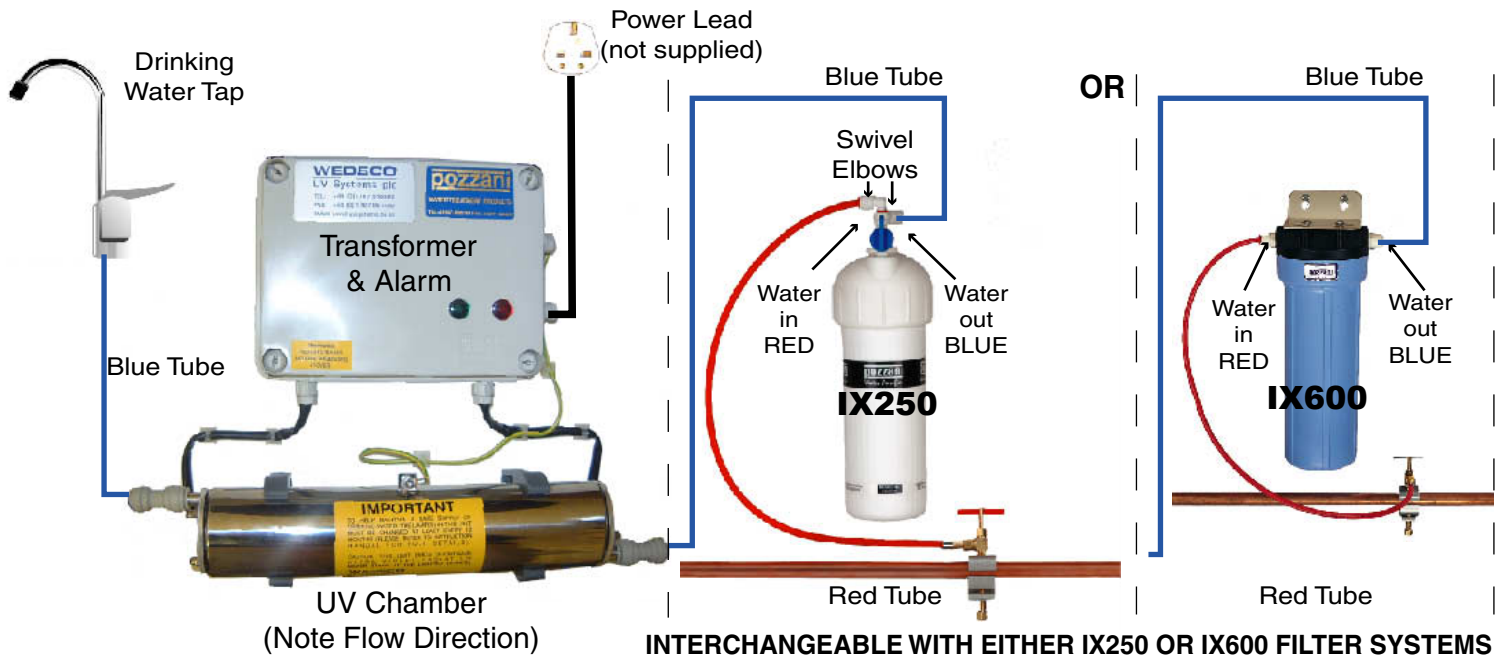
SPARE PARTS TABLE

MODEL	8/2S
LAMP TYPE	GER8
SEAL KIT	USK4/6/8
QUARTZ	QTZ820

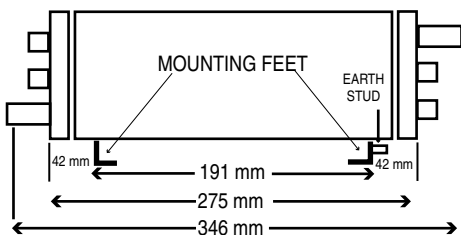
The specifications refer to the standard 2 SERIES unit.

- NOTES
- 1) Electrical Plug Requires 3-5 Amp Fuse
 - 2) Install UV board in a position that allows the UV bulb to be easily withdrawn
 - 3) All tubes are 'push-fit' connections

DIAGRAM OF 8W UV SYSTEM AND IX250 OR IX600 HOUSING

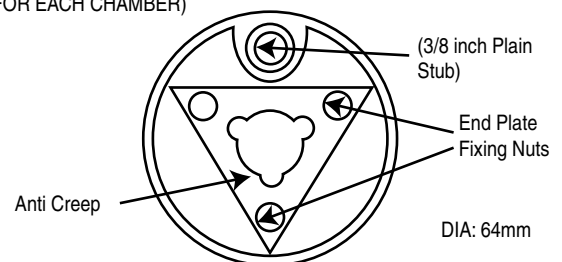


8 WATT CHAMBER

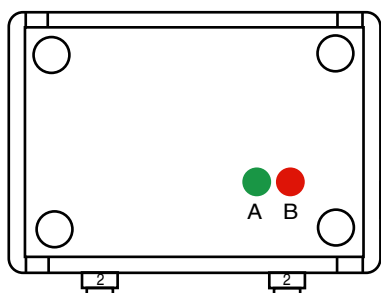


END VIEW

(SAME FOR EACH CHAMBER)



CONTROL BOX 4/2S & 6/2S & 8/2S



CONTROL BOX DIMENSIONS:
Width 200mm
Depth 80mm

CONTROL BOX DIAGRAM:
1 Power Inlet Gland
2 Power Outlet Glands

The following only apply to units with Lamp Failure Indicator:
A Power On Indicator
B Lamp OK Indicator



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Fairfield Industrial Estate
Louth
Lincolnshire LN11 0YB
Telephone: 0845 165 1250
Fax: 0845 165 1251
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