

Ultra Violet Disinfection



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www.springhillwaterservices.co.uk

Specifying Blue Boss UV

Water Disinfection

For the disinfection of the water system an ultraviolet disinfection unit shall be installed on the incoming mains or prior to the relevant equipment.

The unit shall provide effective microbiological protection and comprise a polished stainless steel chamber containing a high intensity long life UV lamp and quartz sleeve.

The flow of water to the Blue Boss shall be filtered to 10 micron using an appropriately sized filter and housing. The aim is to prevent particulate shadowing or clumping of micro-organisms as they pass through the chamber.

The unit shall connect to the mains via a moulded control unit and operate from a 230 / 240, single phase, 50Hz fused power supply.

The unit shall be a Blue Boss as detailed in the adjacent technical data table.

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Item	Rating
Feed water quality	Less than 300µg/l Fe Less than 50µg/l Mn Less than 120mg/l Hardness Less than 5 NTU turbidity
Pre filtration	10 micron
Lamp Life	1 year continuous use
Lamp type	Low pressure mercury
maximum flow rate (lpm)	___m ³ /cm ² @ a flow of ___lpm
Power consumption	___ Watts
Maximum operating pressure	8 BAR