



OPERATION AND MAINTENANCE

Multi-stage Filter Unit

This filter unit is designed to further clean the water to the degree required to pass through the UV disinfection unit. Without it, the UV unit will not be able to perform effectively.

The unit consists of two stages in a factory-assembled unit:

- 90-micron backwash filter
- 5-micron fine sediment filter

The filter unit must be maintained in order to ensure an adequate flow of water through the UV and on to the appliances being served.

The first stage of the filter has a backwash function. This allows the sediment that gets trapped within the filter to be flushed out. This action is performed by simply opening the valve beneath until the water runs clear. In normal use this filter does not require replacement due to the backwashing function.

The discharged backwash can be dealt with in several ways:

- open the valve manually and discharge into a bucket or similar container
- connect the outlet from the valve to a waste pipe and open the valve manually
- connect the outlet from the valve to a waste pipe incorporating a solenoid valve linked to a time switch. The manual valve can then be left open and the system set to backwash at regular intervals. A kit is available for this purpose.

The second stage contains a wound cartridge filter element rated at 5 microns. This cartridge will require regular replacement; the cartridge lifespan will vary from one location to another so the frequency of replacement will become apparent with time.

Both filter stages are within clear polycarbonate bowls, so regular inspection will indicate when backwash and/or cartridge replacement is required.

Location

The unit should be located near to and upstream of the UV disinfection unit and will be wall-mounted. There should be isolating valves located on either side of the unit for maintenance purposes. DO NOT open the unit unless these valves are first closed.

Maintenance

The unit should be inspected regularly. We recommend monthly initially until the correct frequency of attention is established.

Begin by performing the backwash function to clean the first stage filter bowl.

Close both isolating valves on either side of the unit.

Open the backwash valve again to release the pressure.

Carefully open the two filter bowls using the special spanner provided:



Replace the second stage filter with a new cartridge.

Clean both bowls if necessary.

Refit both filter bowls and tighten with the spanner.

Open both isolating valves again and check there are no leaks.

