

Non-Automatic Up flow pH Correction Filter with pHlocrite B

This filter provides a very simple and effective way of raising the pH of otherwise clean water supplies, preventing acid corrosion and copper staining of sanitary ware and increasing the alkalinity and hardness of the water supply.

The correction media is a self regulating Dolomitic filter media called **pHlocrite B** comprising 50% Magnacite and 50% Calcite. For every 10mg/l Carbon Dioxide neutralised, alkalinity and total hardness will be removed by approximately 18mg/l as CaCO₃. For each 10mg/l Carbon Dioxide removed there will be a consumption of approximately 12mg of **pHlocrite B**.

Installation, assembly & commissioning

Locate vessel in its final position.

Ensure riser assembly is in the vessel, with the top covered to prevent media entering the riser tube during filling. Using a hose 1/3 fill the vessel with water to prevent damage to the bottom distributor during filling.

Using a funnel, carefully pour the media in to the vessel in the following order, ensuring the riser remains central:

Gravel – in to bottom
PHlocrite B

The vessel should be approximately 80% full. Screw on tank adapter, connect the inlet supply to the inlet port of the adapter head. Connect the outlet port to a drain temporarily for the initial flush of the system. Open the inlet tap and allow water to run to drain for 15-20 minutes. Turn off the inlet supply and connect the outlet port to the service line. Turn on the supply for normal duty.

Service

The system is essentially maintenance free other than periodic topping up of the sacrificial media. Initially check the media every three months by depressurising the system, disconnect the inlet and outlet pipes then unscrew the top adapter. Tip or siphon out excess water, place a cap over the central riser pipe, then top up the media to around 5-7 inches from the top of the vessel. Put a small amount of silicon grease on the outside of the riser pipe and around the adapter O-ring and then carefully screw the adapter back on, Reconnect the inlet supply and flush the system again for 10 minutes, then reconnect the outlet.

Replacement **pHlocrite B** media is available from your water treatment installer.