

I-GON INJECTION / FLUSHING SYSTEM

WHAT IS IT?

The system was developed to simplify the task of trying to get **I-GON** crystals to pass freely down a 6" well - already containing the rising main, power cable and dip tube - by mixing it into a flow of water circulating from the well in a 180 litre conical bottom polythene tank.

HOW DOES IT WORK?

A 1" feed is taken from the borehole manifold and fed tangentially into the side of the tank while the bottom tank outlet is fed back down the borehole through another 1" clear PVC hose. As the water enters the side of the tank it forms a vortex which quickly mixes in the **I-GON** (added, gradually, through the open top) and carries it down the well. (The tank will naturally empty at about 6m³/h so for higher rate pumps the flow must either be throttled or a portion of the flow directed back into the borehole.)

Once the **I-GON** dose has been added the water is left to circulate through the tank where the effects of the treatment can easily be seen. The system can also be used to take samples during the final discharge to waste stage and to observe the rate of clarity improvement during pump out.

BENEFITS

It is a very clean safe and efficient system.

No clogging of powder in the borehole nor spillage over the head works.

I-GON can be quickly & easily added to the tank.

Light and easy to handle.

Tough and durable tank

KIT COMPONENTS

180 litre MDPE conical based tank (10kg)

5 metre 1" clear reinforced PVC hose with 4 hose tail sets

1 1/2" Manifold assembly

Visor-helmet & protective gloves

