

I-GON



proquip
D I R E C T L T D

Deep-clean for boreholes

POWERFUL, FAST-ACTING REMOVAL OF BIO-FOULING WITH ADVANCED NEW I-GON FORMULA.

Proquip's **I-GON** product has long been tried and trusted by the borehole industry for removing iron and manganese oxides - the bacterial deposits that can clog well assemblies and impede performance.

Following months of development, Proquip can now build on this success with the launch of a new generation range - **I-GON³** and **I-GON²** - offering even quicker, more powerful and cost effective cleaning.

While the new formulation uses the proven and safe organic chemicals of the original, making it suitable for the treatment of potable water wells, it is fine-tuned with improved physical properties that maximise cleaning reactions through the process.

New **I-GON** has been modified, enhanced and tested by accredited water chemistry laboratories to create a unique, more effective formula, exclusive to Proquip.

The product is blended and packed in England to ISO 9001 QM quality assured systems. This means we can offer assured, reproducible product quality, as well as next day* availability to the UK borehole market.

* Highlands and Islands normally within three days

THE PROBLEM

Build-up of iron or manganese related bacteria, known as bio-fouling, can seriously affect pump capacity, water quality and borehole service life. Untreated, it will gradually clog and plug equipment with slime, scale and encrustations, and adversely affecting water colour, taste and odour. Pump output slows, capacity is lost and the well may even seize up completely.



ORGANIC & ENVIRONMENT-SAFE: I-GON 'STRIPS' AWAY IRON FOULING WITH IMPROVED CHARACTERISTICS UNIQUE TO OUR NEW FORMULA

While the chemical properties of the product remain unchanged, the physical properties have been improved to sustain cleaning power the full depth of the borehole.

I-GON³ combines three types of modified crystal that control the solubility of the product as it works down the borehole - resulting in an enhanced and consistent clean throughout.

Going, going, **I-GON**

The market's fastest, most efficient formulation yet: removes heavy bacterial build-up, restoring a clinically clean surface, if not the sparkle, to your borehole parts.

Boreholes that start pumping brown or foul-smelling water indicate the presence of a bacterial infestation that needs immediate attention. The problem may affect part or most of the installation, and could lie deep within the system.

Hazardous levels of bacteria may also be forming without any obvious indications at the surface. Even at lower levels, they may pose a potential health risk in drinking water wells.

I-GON is highly effective in removing unsightly and unhygienic rust, slime, scale and stubborn deposits. It gets to work within minutes, releasing controlled cleaning action that works longer and penetrates deeper to remove iron-related bacteria. Totally bio-degradable and safe for disposal once neutralised, it does not react with or damage any metallic or man-made material.

**CONTACT
US TODAY**

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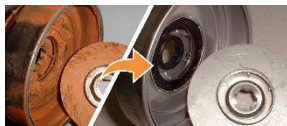
TWO EASY-TO-USE SYSTEMS: I-GON³ AND I-GON²

For user convenience, **I-GON** has been relaunched as two crystalline preparations tailored around distinct cleaning needs:



I-GON³: for insitu cleaning of the complete borehole or site treatment of removed assembly parts before re-installation.

- Takes the form of a crystalline powder which should be administered to the borehole while the system is offline, then circulated and flushed away on completion of the process - in accordance with the Instructions for Use.



I-GON²: for bench cleaning of valves and other pump components contaminated with iron/manganese oxide deposits.

- This is a fast-acting crystalline powder for use when equipment is dismantled. It must be flushed away on completion to avoid contact with water intended for domestic purposes.

Almost a 'Power-wash' for boreholes – quicker, cleaner results, restoring pump performance & minimising borehole downtime

The day-to-day running of businesses, buildings, infrastructure, even communities may be reliant on a borehole. Should bacterial overload lead to a flagging pump or borehole shut-down, then it needs swift and effective treatment.

New **I-GON** can be quickly administered with fast and thorough results, restoring pump performance to normal output levels with minimal fuss.

IMPRESSIVE POWERS TO REVIVE FADING PUMPS - WHAT CUSTOMERS ARE SAYING ABOUT NEW I-GON:

"The results were dramatic – even surprising Proquip – and the pump is now running back at full capacity."

"I now know that iron-reducing bacteria are endemic in the environment and appreciate that the problem will recur at some time in the future. But I also now know how to resolve it when I see the symptoms – at a cost of under £300 rather than £9000."

"Within 10 to 15 minutes a significant improvement in the flow from the borehole was noted."

"After two hours the pump was circulating water at least double the flow from when we started. After twenty four hours the flow had increased more back to when the pump was brand new. Great job. Very impressed."

FIELD TESTED: CUSTOMER DELIGHT WITH PROQUIP'S NEW I-GON

I-GON³'s dynamic cleaning saved the cost and effort of replacing a clogged pump and rising main in a troublesome irrigation borehole at Royal Blackheath Golf Club. First-time user, HWS based in Kent, were delighted with the results, seeing the 40m+ borehole returned to clean working order overnight and pump output boosted by almost 600%.

Other I-GON features & benefits:

- Supplied as a crystalline powder which readily dissolves iron-related bacteria deposits and cleans components exposed to iron fouling. Forms a neutralised solution which can be pumped from the borehole on completion.
- A naturally occurring organic product which is fully neutralised once it has reacted with the iron or manganese (when applied in accordance with dosing instructions).
- Suitable for the sterilisation of drilling and test pumping equipment to avoid bacterial cross-contamination at a new project.
- Available from stock in re-sealable 10kg plastic tubs. Can also be supplied in smaller quantities or in bulk if required.
- **I-GON** benefits from assured manufacturing quality to ISO 9001.

In both its forms, **I-GON** falls outside the scope of DWI Regulation 31 (1 October 2015 revision). It is safe for use in drinking water wells if used strictly in accordance with instructions.

KEEP BIO-FOULING IN CHECK: BART TEST KITS

Sound maintenance routines should allow for timely detection of early bacterial activity before bio-fouling takes hold. Routine checks using Proquip's BART Test Kits will signal the presence of problematic bacteria in the water source before it has time to grow and spread.



HOW CAN WE HELP?

To order online, please go to: www.proquipdirect.com

If you have any technical queries regarding **I-GON's** suitability or application, please contact us below.

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