



Technology: BDR-25

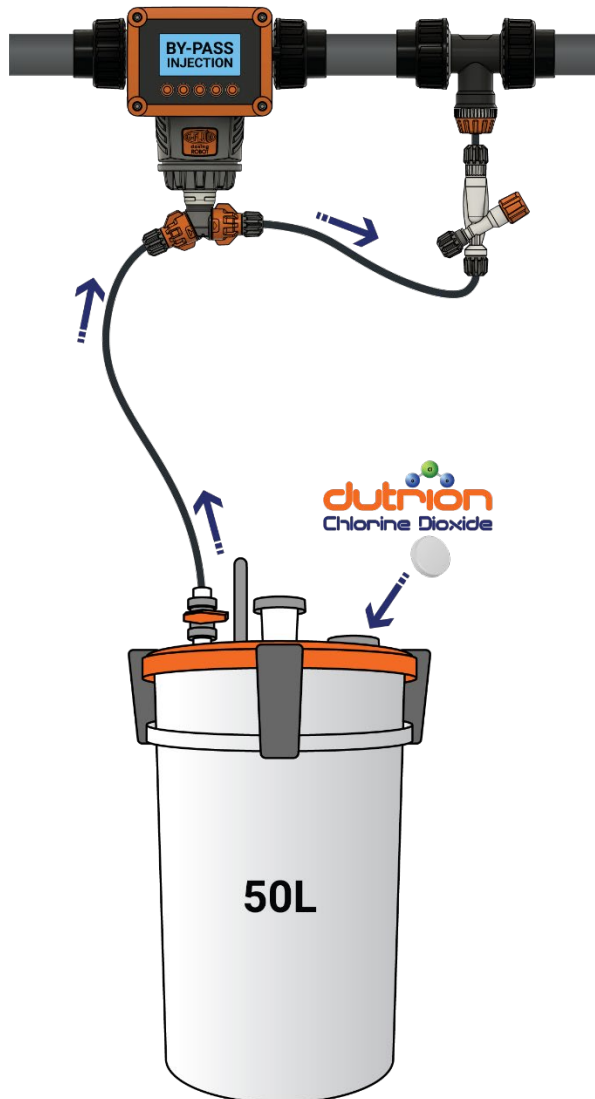
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BDR-25 Bypass Dosing Robot:

The new bypass design allows for dosing products that contain copper, it also results in a lower build-up of oxidized metals from the water source. Maintenance therefore becomes a less frequent task and can be done from the outside of the pump.

The BDR-25 is a combination dosing device that provides water flow registration and product dosing at the same time. The products are injected via an injection valve into the waterline, while passing a flow indicator with a bleeder valve for easy priming. The unique electronic sensor technology has a flow detection from 100 mL / minute (3.5oz / min). The magnetic driven piston is powerful and has a consistent output of approximately 0.7 mL per stroke.

Offering versatile functionality, the BDR-25 can be programmed with multiple dosing options including scheduled time dosing, low flow dosing (for start-ups), or regular dosing ratios from 1 – 50,000. The digital screen makes it easy to control the pump settings and monitor all information and history tracking.



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Features:

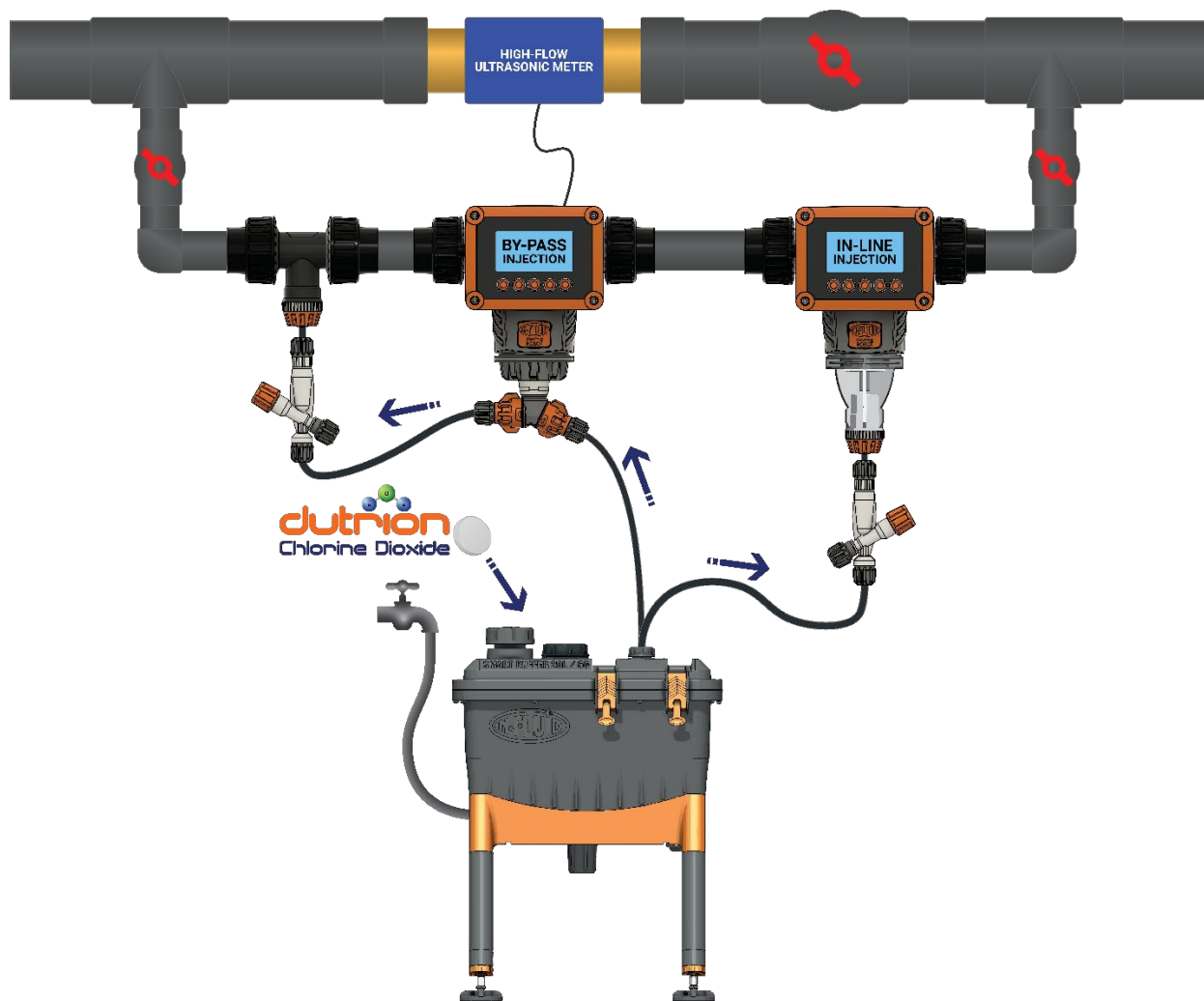
- Magnetic driven piston, low energy consumption (60W/24V)
- Consistent dosing output (back pressure 10 – 90 psi)
- Data recording to analyze production results
- Minimum flow range 100 mL/min (3.5oz/min)
- Tiltable digital screen for easy access
- Low maintenance requirements
- Chemical resistant components
- Built in electronic flow sensors
- Dosing output of 6 - 7 ltr / hr
- Wi-Fi for updates
- Easy to install
- Filter

Get **CONNECTED** and **IN CONTROL** with 
Innovative water management dosing solutions



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Additional Technology:

The 1-1/2" external water meter, featuring a 2" hookup, is engineered for seamless integration with both the CDR-25 and BDR-25 dosing pumps. This precision flow meter enables accurate dosing across large-scale water systems, supporting flow rates of up to 300 L/min (80 GAL/min), contingent on the programmed dosing parameters. Its robust design ensures reliable performance in demanding environments where precise water measurement is critical.

The Smart Buffer Tank is a next-generation solution for chemical storage and dosing automation, designed to enhance water management systems with advanced track-and-trace capabilities. Constructed from heavy-wall PVC for durability and chemical compatibility, it features a high-precision tank level sensor and an automated fill mechanism controlled by an electric valve. The tank operates either autonomously with its own controller or in sync with the BDR-25 and CDR-25 Dosing Robots, dynamically adjusting dosing levels based on real-time pump settings.

A magnetically driven agitator maintains product uniformity by continuously mixing the contents, while a quick-drain outlet at the base allows for fast cleaning and easy transitions between different mixtures.