

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [Bayrol](#) /

› [Bayrol Impfventil with Membrane 1/4" - 1/8" Pool Relax® 3 Instruction Manual](#)

Bayrol 112292

Bayrol Impfventil with Membrane 1/4" - 1/8" Instruction Manual

Original Replacement Part for Bayrol Pool Relax Dosing Systems

PRODUCT OVERVIEW

The BAYROL Impfventil with Membrane (PVDF 1/4" - 1/8") is an original replacement part designed for Bayrol Pool Relax series dosing systems. This membrane injection valve ensures the precise dosing of disinfectants, which is crucial for effective water treatment in your pool.

It is constructed from robust PVDF (Polyvinylidene Fluoride), a durable plastic known for its longevity and resistance to chemicals, ensuring reliable performance in pool environments. The valve features connection sizes of 1/4" and 1/8".

Compatibility

This injection valve is compatible with the following Bayrol dosing systems:

- Pool Relax 3 Brom
- Pool Relax 3 Oxygen
- Pool Relax 3 Chlorine
- Pool Relax 2 FL Chlorine
- Pool Relax 2 FL Brom
- Pool Relax 2 FL Oxygen

SETUP AND INSTALLATION

This section provides guidance for replacing an existing Impfventil. Always ensure the dosing system is powered off and depressurized before beginning any installation or maintenance work.

1. **Safety First:** Disconnect the power supply to the Pool Relax dosing system. Close any relevant shut-off valves to prevent chemical leaks.
2. **Depressurize System:** Ensure there is no pressure in the dosing lines connected to the valve.
3. **Remove Old Valve:** Carefully unscrew the old Impfventil from its connection point. Be prepared for any residual chemical drips and have appropriate protective gear (gloves, eye protection) ready.
4. **Inspect Connection:** Clean the connection threads and inspect for any debris or damage.
5. **Install New Valve:** Screw the new BAYROL Impfventil into place. Ensure it is hand-tightened securely, then use a

wrench for a final snug fit, being careful not to overtighten and damage the PVDF material.

6. **Reconnect and Test:** Slowly open any shut-off valves. Reconnect the power supply to the dosing system. Monitor for any leaks and ensure the system operates correctly.

Note: If you are unsure about any step, consult a qualified technician.



Figure 1: Side view of the Bayrol Impfventil, highlighting the threaded connection and the membrane tip.



Figure 2: Angled view of the Impfventil, showing the 1/4" and 1/8" threaded connections.



Figure 3: Top-down view of the Impfventil, focusing on the membrane tip.

OPERATING PRINCIPLES

The Impfventil functions as a critical component within the Bayrol Pool Relax dosing system. Its primary role is to facilitate the controlled injection of liquid chemicals (disinfectants) into the pool's water circulation system.

The internal membrane ensures a one-way flow, preventing backflow of pool water into the chemical dosing lines, which is essential for maintaining the integrity and safety of the dosing system. The precise design of the valve allows for accurate and consistent delivery of chemicals, contributing to stable water quality and effective sanitation.

MAINTENANCE

Regular inspection of the Impfventil is recommended to ensure optimal performance and longevity of your dosing system.

- **Visual Inspection:** Periodically check the valve for any visible signs of wear, cracks, or chemical residue buildup.
- **Leak Detection:** Ensure there are no leaks around the valve's connections. Even minor drips can indicate a problem.
- **Functionality Check:** While the system is operating, observe if the chemical dosing appears consistent.
- **Replacement:** If the valve shows signs of damage, leakage, or if the dosing accuracy of your system is compromised and traced back to the valve, it should be replaced with an original BAYROL spare part to ensure continued reliable operation.

TROUBLESHOOTING

If you experience issues with your Bayrol Pool Relax dosing system, the Impfventil might be a contributing factor. Here are some common issues and potential solutions:

- **Inaccurate Dosing:**
 - Check the valve for any blockages or debris that might impede flow.
 - Inspect the membrane for damage or wear that could affect its sealing capability.
 - Ensure the valve is securely tightened and there are no air leaks at the connections.
- **Chemical Leakage:**
 - Immediately shut down the dosing system and disconnect power.
 - Inspect the valve body and connections for cracks or loose fittings.
 - If the valve itself is cracked or the membrane is compromised, replacement is necessary.
- **No Chemical Flow:**
 - Verify that the chemical supply is not empty.
 - Check for blockages in the dosing line leading to the valve.
 - The valve's internal mechanism might be stuck or blocked; replacement may be required.

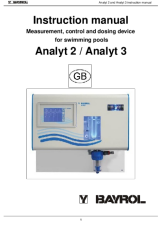




Always prioritize safety when troubleshooting chemical dosing systems. If you cannot resolve an issue, contact a qualified pool technician or Bayrol customer support.

SPECIFICATIONS

Part Number	112292
Manufacturer	Bayrol
Material	PVDF (Polyvinylidene Fluoride)
Connection Sizes	1/4" and 1/8"
Product Type	Membrane Injection Valve / Impfventil
Compatibility	Bayrol Pool Relax 3 (Brom, Oxygen, Chlorine), Pool Relax 2 FL (Chlorine, Brom, Oxygen)



Related Documents - 112292

	<p>BAYROL Analyt 2 / Analyt 3 Instruction Manual: Swimming Pool Water Treatment</p> <p>Comprehensive guide to BAYROL Analyt 2 and Analyt 3 systems for swimming pool water measurement, control, and dosing. Covers installation, operation, pH, chlorine, redox, safety features, and troubleshooting.</p>
	<p>BAYROL Pool Winterization Guide: Expert Tips for Carefree Start</p> <p>Comprehensive guide from BAYROL on how to properly winterize your swimming pool. Follow expert advice for active and dynamic winterization, including phase-by-phase instructions and product recommendations for a smooth start to the next season.</p>
	<p>BAYROL Salt RelaxNXT Pool Chlorinator User Manual</p> <p>Comprehensive user manual for the BAYROL Salt RelaxNXT, covering installation, operation, water chemistry, maintenance, technical specifications, and safety instructions for maintaining a salt water swimming pool.</p>
	<p>BAYROL Warranty Policy - Terms and Conditions</p> <p>Official warranty policy from BAYROL, detailing terms, conditions, scope, limitations, and procedures for their measuring and dosing equipment and spare parts.</p>
	<p>BAYROL AutomaticCl-pH: Pool Wasserpflge System Bedienungsanleitung</p> <p>Umfassende Bedienungsanleitung für das BAYROL AutomaticCl-pH System zur automatischen Regelung von pH- und Chlorwerten in Schwimmbädern. Enthält Installations-, Betriebs- und Wartungshinweise.</p>

BAYROL

User Manual

PM5-SA4 Converter 4-20mA

Plug-in module with 4 current outputs 4-20mA
Order No.: 12P 811



Compatible with:
PoolManager® PMS
Analyt



[BAYROL PM5-SA4 Converter 4-20mA User Manual](#)

User manual for the BAYROL PM5-SA4 Converter 4-20mA, a plug-in module for PoolManager® and Analyt systems. Provides installation, technical data, and configuration details for 4-20mA current outputs.