

PFAS-Free Groundwater Sampling Tested, Trusted, Transparent

**Accurate, reliable groundwater sampling
without the risk of contamination.**

Designed for sampling at depths up to 90 meters, the PFAS-Free MP 1 submersible pump replaces all parts that contact water with PFAS-free components and removes PTFE to reduce the risk of equipment-related PFAS contamination.



Overview

The Eijkelkamp MP 1 is a compact, high-performance 50 mm submersible pump built for professional groundwater purging and sampling in wells 50 mm or larger. Trusted for decades for its stability, precision, and durability, the MP 1 has evolved into the first and only PFAS-Free pump capable of operating to 90 meters, tested per EPA Method 1633.

Whether your work involves standard groundwater sampling, low-flow monitoring, or PFAS-compliant investigations, the MP 1 delivers fast purging, highly stable flow control, and consistent, uncontaminated samples.

Why the PFAS-Free MP 1 Matters

PFAS contamination concerns continue to rise globally, with strict new monitoring protocols now embedded into environmental sampling. Traditional sampling equipment often contains PFAS-based coatings, wiring, seals, or tubing, which can contaminate samples before analysis begins.

Eijkelkamp's PFAS-Free MP 1 eliminates that risk. All wetted components have been replaced with certified PFAS-free materials, and the pump has been fully verified under EPA Method 1633 to ensure the integrity of PFAS investigations.

Key Benefits

Shared Benefits of the *Standard* MP 1 and *PFAS-Free* MP 1:

- » High pumping capacity for rapid well purging
- » Adjustable, stable flow for precise low-flow groundwater sampling
- » Only pump of its kind capable of 90 m lift in a (≥ 50 mm) narrow monitoring well
- » Durable, lightweight, stainless-steel housing that is easy to deploy, and field-serviceable
- » Programmable frequency converter with overload protection
- » Operates on mains or controlled generator
- » All wetted components are fully PFAS-free and EPA 1633 tested, ensuring compliance with U.S. and international PFAS sampling protocols
- » Available with PFAS-free tubing (30, 60, 90 m) or pump-only

Applications

- » PFAS-compliant groundwater sampling
- » Anaerobic sampling
- » Low-flow and standard sampling
- » Long-term groundwater monitoring





Standard MP 1 Sets includes:

- » MP 1 PFAS-Free Pump
- » Cooling jacket
- » Service kit
- » Frequency converter
- » Suspension cable
- » Tubing (PTFE, LDPE, or none)
- » Hose reel cart

Adjustable Frequency Converter has:

- » 0–2 m³/hour flow control
- » Overload protection
- » Real-time operating frequency display

Available PFAS-Free Variants

- » 12.27.PFAS.30 — PFAS-free tubing, 30 m
- » 12.27.PFAS.60 — PFAS-free tubing, 60 m
- » 12.27.PFAS.90 — PFAS-free tubing, 90 m
- » PFAS-Free MP 1 Pump-Only Version



All information contained in this brochure is of a provisional nature. Eijkelpomp retains the right to amend equipment, procedures and specifications.

Standard MP 1 vs PFAS-Free MP 1

Features	Standard	PFAS-Free
PFAS-free components	No	Yes
EPA1633 compliance	No	Yes
Max lift	90 m / 300 feet	90 m / 300 feet
Min well diameter	50 mm / 2 inches	50 mm / 2 inches
Maintenance*	100 hrs	25-50 hrs

Recommended Maintenance: After 25 running hours, check the peak materials for any damage and clean them with water. After 50-75 operational hours, we recommend replacing the peak materials to extend your pump's life.

Technical Specifications

Power Input	1.3 Kw
Voltage	3 × 220 V, 400 Hz
Max Current	5.5 A
Motor Protection	Built-in thermal switch
Water Temperature	0–35°C
Discharge Port	Rp 3/4
Continuous Operation	100 hours
Set Dimensions	120 × 80 × 100 cm

Disclaimer

Verified PFAS-Free Manufacturing & Testing

RST Cable & Tape Inc. confirms no PFOA or PFAS use in cable components since 2015. Enthalpy Analytical tested the MP 1 submersible pump and concluded that it does not leach PFAs into deionized water and also the more agressmethanol. However, due to the inherent difficulty of completely avoiding external contamination, we cannot guarantee absolute PFAS-free product. Additionally, since contamination with PFAS can occur during use or transport, we strongly recommend cleaning the pump according to standard groundwater sampling procedures before each use. Final responsibility for contamination control lies with the end-user.

Why Choose the PFAS-Free MP 1?

The PFAS-Free MP 1 eliminates contamination risk, meets global sampling standards, and maintains the full performance of the MP 1 platform. **Contact us at Royal Eijkelkamp to order your MP 1 submersible pump today. Scan the code to be taken to our contact form.**



 **Eijkelkamp**
Meet the difference

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