

PFAS-Free Groundwater Sampling Sample With Confidence

- **PFAS-free: tested according to method EPA 1633**
- **Limit contamination while sampling water**
- **Sample up to 90 metres depth**



PFAS-free Groundwater Sampling

PFAS contamination concerns continue to rise globally, with strict monitoring protocols embedded into environmental sampling. The PFAS-free MP 1 submersible pump enables accurate and reliable groundwater sampling, without the risk of contamination from your own equipment.

Designed for applications up to 90 metres depth, this version of the MP 1 is fully free of PFAS-containing materials in all wetted components. This makes it suitable for standard groundwater sampling, low-flow monitoring, or PFAS-compliant investigations.

Overview

The MP 1 is a compact and robust submersible pump, developed for groundwater purging and sampling in monitoring wells with a diameter of 50 mm (2 in) and up. It has a long-standing reputation for reliability, precise flow control, and durable construction.

The PFAS-free version builds on this proven platform and is specifically developed for applications where data integrity and contamination control are critical.

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 narrow (≥ 50 mm) 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

Applications

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





The MP 1 Set Includes:

- Option:
Standard MP 1 Pump or PFAS-free MP 1 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



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

* Please note that only the PFAS-free pump itself is certified free of PFAS; the other parts of the set are not.

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 lifespan.

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	25-50 hours
Set Dimensions	120 × 80 × 100 cm

Disclaimer

Verified PFAS-Free Manufacturing & Testing

Enthalpy Analytical has tested the RediFlo2 (MP 1) submersible pump and concluded that it does not leach PFAS into deionized water. In addition, there has been no PFOA or PFAS use in the cable components of our MP 1 cable since 2015. However, due to the inherent difficulty of completely avoiding external contamination, we cannot guarantee an absolutely PFAS-free product.

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 Eijkelpomp to order your MP 1 submersible pump today. Scan the code to be taken to our contact form.**



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