

HAPRO TECHNIK

plus

- Increase service life
- Save energy
- Protect resources

We make your system efficient.

Preparing System HTPR-EVO



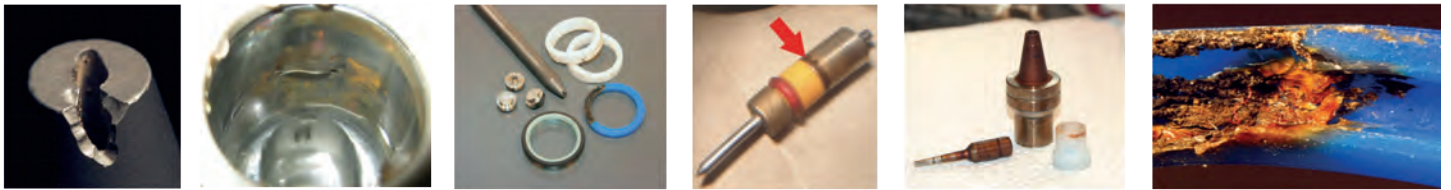
plus

*Increase service life
with the Preparing System!*

ACHIEVE EFFICIENCY AND SUSTAINABILITY WITH HAPRO TECHNIK PLUS.

We make your system efficient.

Hapro Technik Plus products prepare high quality cutting water thereby reducing water disturbances considerably.

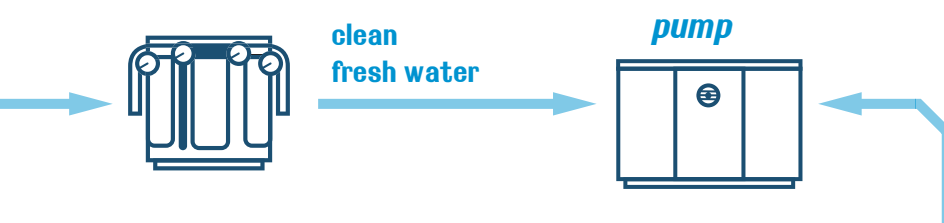
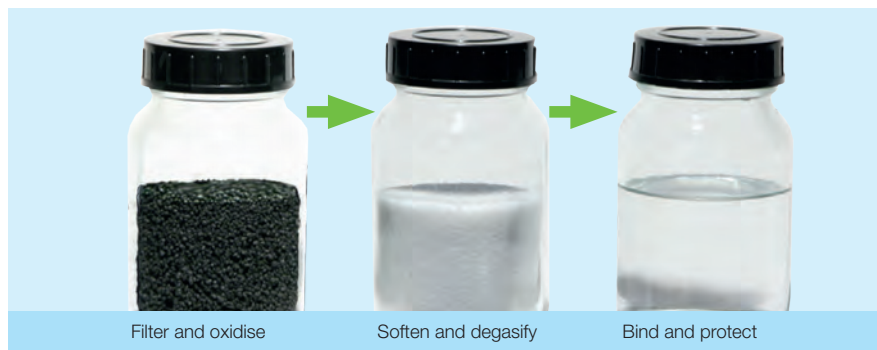


Factors to Reduce Downtimes in High-pressure Pumps:

In addition to the corrosion dirt that forms a coating on pumps and water hardness, a number of other factors are responsible for a more frequent maintenance plan on high-pressure pumps. The gas content or the content of free carbonic acid in water also has a major influence on the intervals between pump maintenance. And there are other substances which have a corrosive effect in the high-pressure area of the pump or which even form solid material.

Ideal water quality for high-pressure pumps

- protects the sensitive high-pressure technology from all kinds of contamination
- reduces wear and tear and maintenance costs



Whether or not a high-pressure pump performs well depends to a large degree on the water quality after water treatment. Instead of costly technology, our Preparing System optimizes all factors which reduce downtimes relating to water quality with intelligent and effective materials.

Cost savings by extending maintenance intervals by 50 to 500 %

Operational security by damage-reduction of the high pressure pump aggravated by water disturbances

Rapid amortisation and moderate consumption costs for replacement filters and dosing additives

Request our analysis case!

You can easily test the water quality yourself with the water analysis.



The advantages:

The Preparing System HTPR EVO eliminates:

- all kinds of solids measuring up to 1 μm in size
- all corrosion products, e.g., iron oxides, manganese oxide, and hydrogen sulphide
- all heavy metals, e.g., lead, copper, chrome, zinc, mercury, and arsenic
- carbonate and sulphate hardness
- chlorine, free carbonic acid and oxygen
- organic compounds, e.g., phenols, pesticides solvents, diluents, oils, and alcohols
- microorganisms incl. bacteria, algae, and fungi

The Preparing System HTPR EVO offers:

- crystal clear, haze-free, soft water with the latest generation in green technology
- greatest efficiency without dangerous chemicals
- smooth operation, no electronic controls that are prone to errors
- an easy-to-manage cartridge system
- 99% maintenance-free
- „Plug-and-play“-installation

Measurements:

H: 750 mm, W: 850 mm, D: 550 mm

Waterinlet and outlet: 3/4 "

Empty weight: 55 kg

Performance:

8 l/min or 500 l/h (expandable)

filter exchange interval: max. 4 months / 200 m³



Front page: Filtration + Active Oxidation

- Preliminary filtration 10 μ
- Chlorine removal
- AOP treatment
- Deferrisation
- Fine filtration 1 μ

The combination of filters and filter materials removes not

only solids measuring up to 1 μm like a conventional filter. The combination also removes the chlorine which is used temporarily to disinfect pipes and destroys high-pressure gaskets on contact. Moreover, the combination also actively changes and removes dissolved components of corrosion products from the water supply pipes; residues from these corrosion products destroy the seals and valves in high-pressure pumps.

The dosing pump mixes the tiniest amounts of harmless Liquitech 227P, which binds residual carbonic acid, protects from corrosion, and always keeps the whole hydraulic system in clean working order.



Back page:

- Binding water hardness
- Carbon dioxide removal

A catalyst granulate prompts carbon dioxide to outgas and, in the process, converts the water hardness into stable

calcite compounds. This process has two positive effects: it reduces the content of free carbonic acid which damages the high-pressure system through cavitation, and it binds calcium carbonate, which causes deposits on cylinders and valves. By using optional additional equipment, the Preparing System HTPR EVO also prepares very soft water which is perfect for your water jet cutting system!

Accessories (optional):

Backflush prefilter

Recommend for own well supply to filter of sands and sediment as well as for water with an especially high conductance of over 900 $\mu\text{S}/\text{cm}$.

Backflushing is done manually but it comes in an optional automated version.

Replacement filter set:

Active carbon block filter (10 $\mu/20''$)

(Art. no. 9021083)

Oxidation cartridge (20" XL)

(Art. no. 9021563)

Absolute depth filter (1 $\mu/10''$)

(Art. no. 9021070)



Easy online ordering in our online shop!



Whether in analogue or digital form.

Hapro Technik is your knowledgeable contact for water jet cutting!

Fast and easy.

Equipment, high-pressure technology components, Hapro Technik Plus products, service.

In Hapro Technik's new online shop

www.haprotechnik.com

we offer an expedited order process.



Maintenance and Service.

We offer reliable service with sound and knowledgeable advice, professional maintenance, and high-quality parts.

24/7 EMERGENCY SERVICE



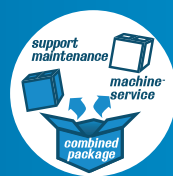
We respond promptly and reliably to your phone call, e-mail, or service request.

ON-CALL SERVICE



Mon. – Thurs. 7:30 a.m. – 5.00 p.m.
Fri. 7.30 a.m. – 2.00 p.m.
Professional maintenance and repairs, knowledgeable technicians, and high-quality parts

MAINTENANCE PACKAGES



Support maintenance, machine service, maintenance packages can be selected in modules and tailored to your requirements

HAPRO TECHNIK

We keep your system flowing.

Hapro Technik Ges.m.b.H.

A-4720 Kallham

Parzleithen 8

Tel. +43 (0) 7733 / 8026

Fax +43 (0) 7733 / 7193

office@haprotechnik.com

www.haprotechnik.com

Service-Hotline: +43 (0) 7733-8026 @ service@haprotechnik.com