

## CLEANING OF HYDRAULIC BLOCKS AND OTHER HYDRAULIC PARTS

### REQUIREMENTS

Hydraulic blocks are used in a variety of applications. Cleaning the often complex blocks is a particular challenge, as the hydraulic oils as well as all dirt and dust residues in the complete block must be removed, but at the same time accessibility is not given, especially for conventional cleaning methods.

### OUR SOLUTION

With the help of low-pressure hot cleaning, dust- and grease-free cleaning is easily possible even without aggressive cleaners.

Thanks to a wide range of spray tools and nozzles, even deep passages and channels can be cleaned very well. With the help of blind hole nozzles, even the bottom of deep blind holes can be reached and cleaned, and with flexible nozzles it is even possible to clean “around the corner”. Due to the low pressure, the contamination is rinsed out completely and without any problems.

In this way, low-pressure hot cleaning meets the high cleanliness requirements of the hydraulics industry with regard to residual dirt and solid particles.

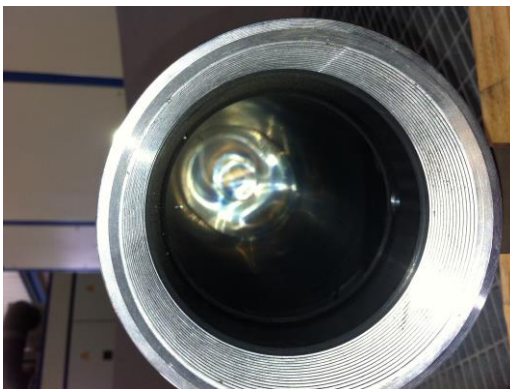
Further advantages include low water consumption, which reduces costs in terms of water, but also of chemicals that may be added; moreover, the cleaning medium can be re-circulated, and residual oils separated in the special collectors of the SR units. Therefore, no separate washing station with oil separator is required.

The size and weight of the hydraulic blocks are also not a particular limitation, as would be the case with ultrasonic baths or washing machines. When using a large floor collector, the hot cleaning system is also suitable for large and heavy hydraulic blocks, as shown in the following video.



Hydraulic block

[Video cleaning a hydraulic block](#)



Hydraulic cylinder, cleaned with low pressure hot cleaning method

In fact, the low-pressure hot cleaning process is ideal for cleaning hydraulic parts in the broadest sense, simply because grease and oil can be ideally cleaned with 95°C hot water and ideally removed with low pressure.

In practice, however, an alkaline cleaner with corrosion protection is usually added to prevent corrosion of the blocks. The workpiece can then be treated with a protective oil.

Typical applications range from hydraulic blocks and hydraulic cylinders to hydraulic presses, with a wide variety of applications in industry as well as in the field of cars and commercial vehicles.

## YOUR ADVANTAGES

- Efficiency/quality: Fast and thorough cleaning, especially of oily contaminants, due to the high working temperature of up to 95°C.
- With the right nozzles, problem-free cleaning is possible even inside the block, see also application report on cleaning complex castings.
- No damage to the hydraulic parts
- No size or weight restrictions
- Mobility: Cleaning on site - the units are mobile and generally self-sufficient - saves assembly, travel and reloading times.
- Occupational safety and environmental protection/chemicals: Only very limited amount of chemicals is needed, if any; this protects the environment, increases occupational safety and reduces costs.
- The hot cleaning units can be used universally, e.g. for maintenance and servicing or for cleaning machines and parts.
- Also ideal for other hydraulic parts.
- Cost-effectiveness: Significantly less working time for cleaning, as well as assembly, travel and reloading times; less chemicals
- Overall: Comparatively low investment and hardly any running costs, but high efficiency and top quality.



Hydraulic cylinder in the commercial vehicle sector - can be cleaned locally with low-pressure hot cleaning process

## SEE ALSO

- Video Cleaning a hydraulic block
- Video Cleaning commercial vehicles