

## CLEANING OF RACING KARTS AND KART PARTS

### REQUIREMENTS

Racing karts are cleaned and maintained after every race to keep their service life and readiness for use at the highest level.

In the specific case, the engine and brake components of the racing karts had to be cleaned. In addition, oily and sooty residues on sensitive mechanical and electronic parts had to be removed.

### PREVIOUS TECHNIQUE

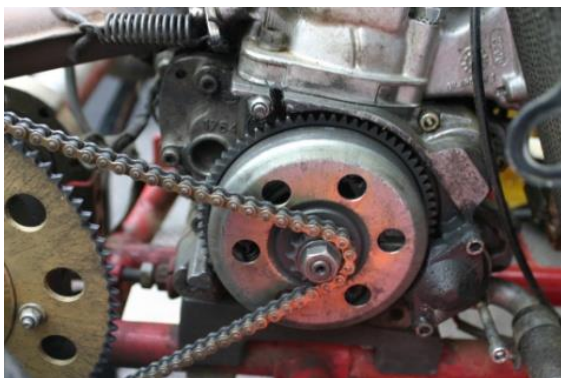
Previously, the parts had been cleaned with high-pressure cleaners, which repeatedly led to damage. In addition, the cleaning results were often so poor that the parts had to be reworked by hand, which was time-consuming and costly.

In addition, considerable amounts of chemicals (A1 brake cleaner or cold wash table) were used for manual re-cleaning, which was costly in the long run as well as harmful to the health of staff members and to the environment.

### OUR SOLUTION

The low-pressure hot cleaning units of the 1000 series were the ideal and cost-effective solution here: with a low pressure of only 7.5 bar, contamination is removed without damaging sensitive components. At the same time, the high temperatures of 95°C achieve a maximum cleaning effect, so that cleaning can be carried out quickly and efficiently.

- Fast and efficient work - considerable time savings and significantly better quality compared to manual cleaning on a cold wash table or with a high-pressure cleaner.
- Excellent cleaning results due to high temperature of up to 95°C.
- No damage to sensitive parts due to low pressure of 3 - 7.5 bar
- No, at most very little chemicals
- Low investment, no separate washrooms, low operating costs



Racing kart parts - gear drive

## YOUR ADVANTAGES

- Efficiency/quality: Significant time savings with fast and thorough cleaning:
  - High temperature and sufficient pressure enable fast and complete cleaning in just a few minutes.
  - Ideal accessibility even to hard-to-reach places due to various lances and nozzles.
- No damage to sensitive parts, such as the aluminium fin coolers.
- Devices are mobile and self-sufficient, and take up very little space; no separate washrooms required; cleaning directly at the kart or in the workshop.
- Minimal splash-back effects, no clouds of droplets, no aerosols, thus ideal for use in the workshop.
- No solvents or VOCs (volatile organic compounds): Cleaning medium is hot water with no or minimal addition of alkaline cleaners. Cleaning medium can be reused multiple times due to special recycling system.
- Therefore, minimal costs for procurement and disposal, as well as being gentle on health and the environment.
- Considerably more pleasant, faster and more efficient work than by hand.
- Devices can be used universally, and are ideal for parts cleaning of all kinds.
- Occupational safety and environmental protection: No chemicals means improved environmental compatibility, improved occupational safety and significantly lower costs.
- In summary: Low investment, hardly any space requirement, minimal operating costs, but high efficiency, first-class cleaning quality and a wide range of applications.



Built-in kart motor with drive chain