

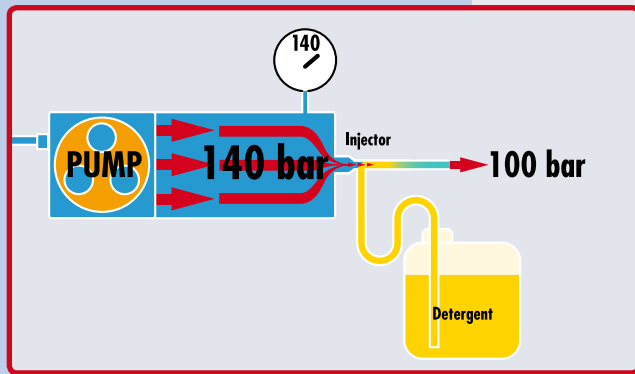
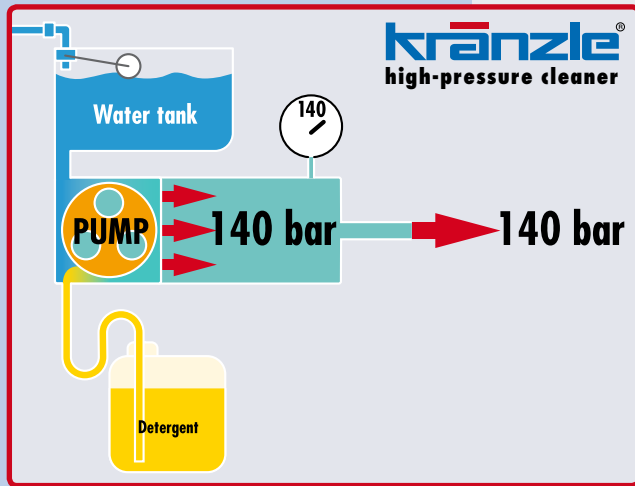
15

g o o d
r e a s o n s
f o r

a **kränzle**[®]
high-pressure cleaner



15 good reasons for a Kränzle high-pressure cleaner



1. Our cleaners offer 30 % more pressure.

Traditional high-pressure cleaners are ordinarily equipped with an injector for induction of detergents. In order to suck in the detergents, the water, which is under high pressure, needs to be pressed through a small nozzle pipe. This costs energy, no matter if the injector is in operation or not. The available working pressure is reduced by approx. 30 %.

Kränzle high-pressure cleaners with water tank are designed such as to allow the pump to suck up water from the water tank as well as detergents at the same time. The energy consuming injector and the simultaneous loss of efficiency and/or pressure of up to 30% is eliminated. The detergents can be sprayed without reducing the operating pressure.

No pump damage due to lack of water.

The great advantage of the water tank is that cavitations (= air bubble implosions inside the pump, caused, among others, by lack of water) which is the major reason for failure in high pressure pumps, are almost eliminated.



2. All systems have a distinctly longer service life.

All units are equipped with ceramic coated stainless steel pistons which are produced in an extremely expensive manufacturing process. The advantage of the steel piston, which draws the heat from the pump head, is combined with the advantage of the hard ceramic surface, which prevents the packings from wear. This serves to considerably increase the service life of our systems.



3. All systems are dry-run safe.

All systems are equipped with 2 Teflon graphite packings per piston. The excellent gliding properties of Teflon graphite serve to reduce both the friction resistance and temperatures inside the system. For this reason, the systems can be operated without water for a certain period = dry-run safety.



4. Malfunctions due to corrosion are impossible

because all water leading components are made of stainless steel or special brass.



5. All pump heads are made by Kränzle in Germany from forged special brass to ensure a long service life.



6. All appliances - except the 1150 basic model - are equipped with slow running, silent and durable quadripolar electric motors (1,400 rpm)

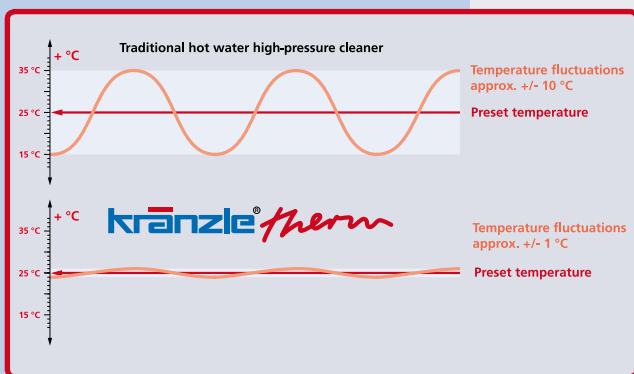


7. All appliances are subject to exhaustive electronic and practical tests under field conditions. Every singly lance is checked for correct pressure before the cleaners leave the factory.



8. The new therm 1 versions include quite a number of improvements (amongst others, a new heating coil) helping to increase the burner capacity up to an incredible efficiency of 93 %.

This reduces fuel consumption, is environmental friendly, and increases the achievable water temperature.



9. In addition to the traditional mode of operation, the therm series offers the possibility to practically maintain a stable water temperature with a minimal deviation of only +/- 1°C thanks to adjustable clocking.

This type of stability is unique. Traditional modes of operation are subject to temperature deviations of up to 30 °C.



10. All hot water systems are equipped with 2 motors, i.e. one motor for the high pressure pump and one motor for the fuel pump and fan. This is to prevent both fan and fuel pump from wear during cold water operation or unnecessary operation.



11. All hot water systems are equipped with 2 gauges, i.e. one water pressure gauges and one oil pressure gauge.



12. The therm series is equipped with 2 independent operating-hours-counters: one for the pump and the other for the burner.

This facilitates to determine the respective service intervals.



13. All machines are equipped with large clearly arranged glycerin damped stainless steel gauges.

Kränzle quality in every detail.



14. The rather extensive Kränzle programme is based on only few types of pumps and motors. Above all, this translates into a small spare parts inventory for distributors and a faster end consumer service.



15. Almost 90% of the machine components are manufactured at our production site in Germany.

This enables Kränzle to ensure a specific quality control of the machines. Kränzle, in reality, is a manufacturer and not only an assembler. Kränzle exclusively produces in Germany.

Quality "made in Germany".

1984 - 2009



years of Kränzle high-pressure cleaners