Quality made in Germany:

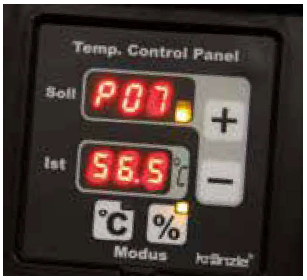
Kränzle-therm sets standards with its technical benefits!

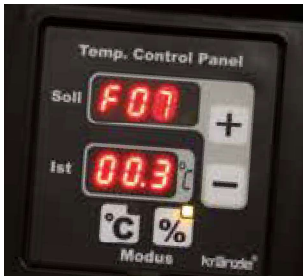
The Kränzle therm hot water high-pressure cleaners combine a number of technical innovations by Kränzle that contribute to reliable operation, safety of the equipment and not least operating and servicing.

The Kränzle therm cleaners are extremely safe to operate, kind to the environment, clean and quiet. The Kränzle therm high-pressure cleaners represent the state-of-the-art in equipment and safety.

Visual flame monitoring
The oil-heated Kränzle therm cleaners (except for therm CA) are equipped with an optical flame monitoring device. A photocell is located right above the combustion chamber and connected to the central control electronics. If the photocell does not detect a flame, the fuel supply is cut off. This prevents a dangerous build up of unburnt fuel inside the burner. An error message appears in the thermostat display (except for therm C/CA).

Operating hours meter
In the digital thermostats of the Kränzle therm hot water high-pressure cleaners (except for therm CA/C) an operating hours counter is integrated. When both the °C button and the % button are pressed for more than 2 seconds, the respective number of operating hours of the pump and of the burner will be displayed one after the other for approx. 5 seconds which, for example, helps to facilitate determining service intervals.

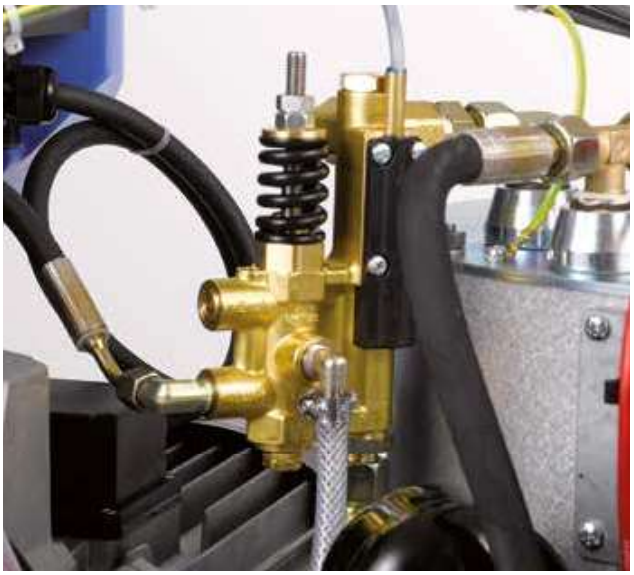




Safety devices

- A pressure control valve for continuously-variable adjustment of water quantity and pressure.This valve also allows for a pressureless by-pass operation.
- A safety valve protecting the machine against excessive overpressure.
- An integrated flow monitor device switches the burner off if the water flow is too low, thus preventing the combustion chamber from overheating.
- A pressure monitoring device only allows the burner to operate if there is sufficient pressure.
- An additional device switches the machine to stand-by 30 seconds after the trigger gun with safety catch is released (except for therm CA).
- A thermal overload switches off the high-pressure cleaner in case of excessive power consumption.

Existing Kränzle components have proven their worth through generations of use across our machines. When improvements and advancements in technology become available, the new Kränzle components introduced excel our high standards.



Adjustable burner performance
All Kränzle therms (except for therm CA/C) are equipped with a digital thermostat which now allows for two modes of operation.

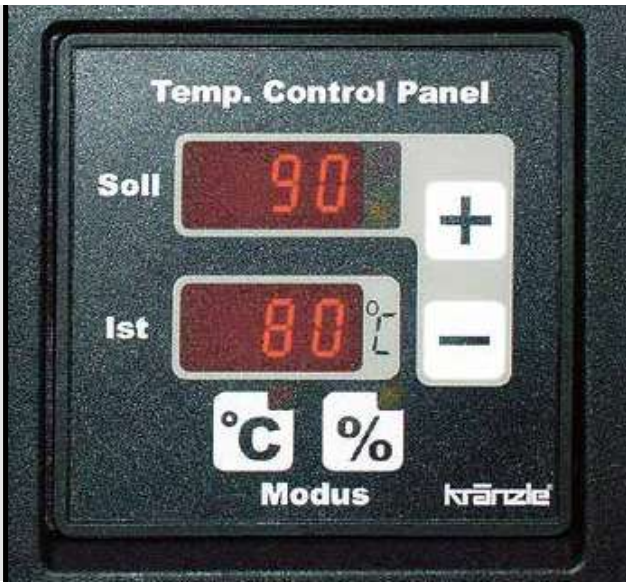
Operation mode 1: Thermostat regulation °C
The target temperature in °C can be adjusted by pressing the buttons (+ -). The thermostat measures the water temperature at the heating coil outlet and causes the burner to either switch on or off in accordance with the operators settings. The outlet water temperature is displayed in °C.

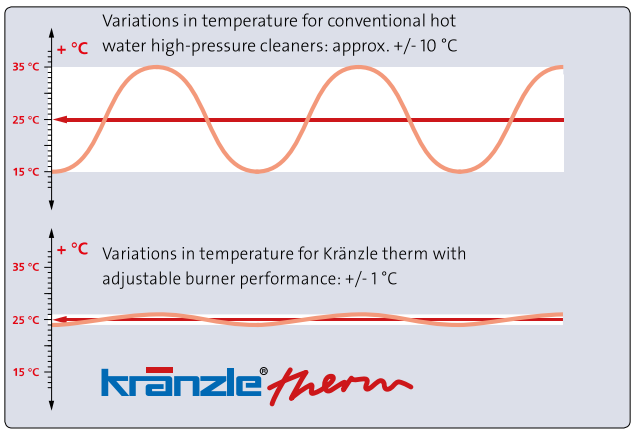
Operation mode 2: Burner output %
Press buttons (+ -) to adjust the amount of time the burner will operate as a percentage. The burner will be switched on and off in accordance with this value.

The actual water temperature is measured at the heating coil outlet and displayed in °C. The temperature can be raised by increasing the percentage of the time that the burner is operating, or lowered by reducing the percentage.

Once the correct percentage is established, mode 2 has an advantage over mode 1 in that temperatures can be accurately kept at + or - 1°C. This can even be achieved with reduced water quantities and at low temperatures, ideal for example, when washing livestock. All the settings are saved in the thermostat's memory and are applied when the machine is next used.

The models of the therm C/CA series are equipped with an analogue rotary thermostat (control range 30° C – 155° C).





Oil-heated, compact and high-performing

The therm C series

- Integrated trolley takes rough ground in its stride with large wheels with wide solid rubber tyres
- Integrated hose drum with foldable crank (option)
- 7.5 m power lead with cable reel (therm C 11/130: 5 m)
- One piece trigger gun with safety catch M2000 and lance with flat jet nozzle and flat jet nozzle
- Storage for trigger gun with safety catch and lance
- Shock absorbing buffers, front and rear
- Total-stop-system with delayed motor cut-off
- Security motor cut-off
- Water flow monitoring
- Pre-aeration of combustion chamber
- Optical flame control
- Security thermostat, switches the device off when exhausting gas temperature surpasses 260 °C
- Quadruple security system with overload protection
- Burner switches off when fuel is missing
- Detergent aspiration
- Parking brake

Fig. therm C 11/130
with hose drum

Fig. therm C 11/130
without hose drum

Technical specifications	therm C 11/130	therm C 13/180	therm C 15/150
Ord. no. **without** hose drum	41.442	41.441	41.440
Ord. no. **with** hose drum	41.442 1	41.441 1	41.440 1
Operating pressure, continuously adjustable	30-130 bar / 3-13 MPa	30-180 bar / 3-18 MPa	30-150 bar / 3-15 MPa
Max. admissible overpressure	145 bar / 14.5 MPa	200 bar / 20 MPa	170 bar / 17 MPa
Water output	11 l/min (660 l/h)	13 l/min (780 l/h)	15 l/min (900 l/h)
Hot water output temperature (water supply 12 °C) continuously adjustable	12 - 80 °C	12 - 80 °C	12 - 80 °C
Steam level	max. 140 °C	max. 150 °C	max. 150 °C
Heating output	55 kW	60 kW	65 kW
Fuel tank capacity monitoring	25 l	25 l	25 l
Motor speed	1,400 rpm	1,400 rpm	1,400 rpm
Connected load	230 V, 15.0 A, 50 Hz	400 V, 8.7 A, 50 Hz	400 V, 8.7 A, 50 Hz
Power intake / Power output	3.4 kW / 2.3 kW	4.8 kW / 4.0 kW	4.8 kW / 4.0 kW
Weight with hose drum	179 kg	179 kg	179 kg

Features & Equipment	Ord. no.	Ord. no.	Ord. no.
Steel braided high-pressure hose, NW 8, **without** hose drum	44.878 (10 m)	44.878 (10 m)	44.878 (10 m)
Steel braided high-pressure hose, NW 8, **with** hose drum	44.879 (15 m)	44.879 (15 m)	44.879 (15 m)
One piece trigger gun with safety catch M2000 with lance and flat jet nozzle	12.486-D25045	12.486-D25045	12.486-D25055
Water inlet filter	13.310	13.310	13.310