

XIROS

An easy-to-use and efficient tractor-mounted
draincleaner

Regular cleaning with Xiros draincleaner will keep your soil in great condition.

- *Easy-to-use*
- *Durable and high-quality material*
- *Remote controlled*
- *Powerful pump*
- *Ultimate grip of rinsing hose feed*



PEKOMAT

XIROS draincleaner



The Xiros drain cleaner feeds the rinsing hose into the drain pipe and rinses it with a pressurized water jet. The rinsing hose is 500 meter long, and the three-dimensionally moving drainage guide arm leads the rinsing hose to the drain. The large maneuverability of the drainage guide arm facilitates the positioning and rinsing work.

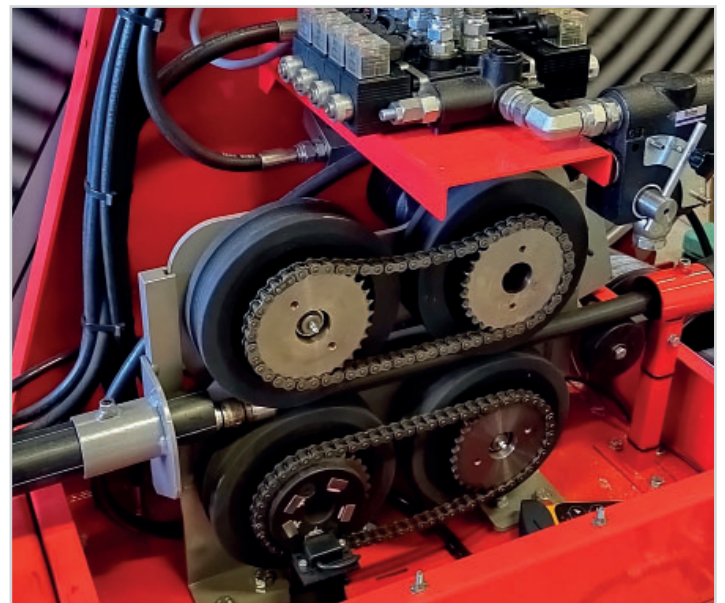
SMOOTH AND WIDE MOVEMENT OF THE DRAINAGE GUIDE ARM

The movements of the drainage guide arm are realized with lubricated joint bearings, which makes the guide arm long-lasting. The protective tubes and nylon rollers inside the drainage guide arm save driving force, and reserve the power from the feed gear for the actual rinsing work.

The drainage guide arm's automatic lock enables very quick setting from the transport position to the rinsing position and back to the transport position. You don't have to handle the guide arm with your hands at all, except when you put the rinsing arm in place. The movement speeds of the drainage guide arm cylinders are limited in order to ensure safe operation. The machine's operating procedures are carried out from behind the machine, and the machine operator does not necessarily have to go to the work area at all.

FEEDING DEVICE AND WHEELS

The four-wheel feeding device is equipped with two hydraulic motors, and the drive is transmitted by a roller chain. The feeding wheels are designed for the special needs of the drain cleaner. The structure of the feeding wheel gives ultimate grip to the rinsing hose, so that the rinsing work is very efficient. The functions of the coil and the feeding device are controlled by regulated pressure valves, which help the rinsing hose to maintain a constant tension even in repeated forward-backward movements. The speed of the wheels is regulated by a pressure-compensated flow control valve, which allows the machine to operate with very little hydraulic flow.



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EFFICIENT PUMP, GREAT POWER

The maximum yield of the AR1504 type pump of the Xiros drain cleaner is 153 liters per minute and the maximum pressure is 50 bars. Due to the high-output pump, larger holes, approximately 2.2 mm, can be used in the nozzle, which ensures a high rinsing effect. This is especially useful when the rinsing nozzle is pulled back and it has to transfer all the dirt that has come off the drain to the outlet. The high liter output of the pump also enables the idling of the tractor to be enough for driving power. This saves fuel and causes less noise.

Rinsing water can also be taken from a ditch or trench, because there is a suction strainer on the back of the machine and there is a prefilter at the end of the ten meter long suction hose. When dirty, the rinsing hose has its own washing system. The amount of hose washing water is controlled by the ball valve from the pressure regulator. If washing is not needed, the valve can be closed. The suitable rinsing pressure can also be adjusted with the pressure regulator found in the back of the machine.

DURABLE STRUCTURE

Due to its structure, the machine's steel plate frame is very rigid and durable. The steel parts of the machine are steel blasted and powder coated. The frame of the machine has places for forklift forks, which makes it easier to move the machine. On the right side of the machine body is a practical accessory box for shovels and other equipment.

TRACTION CONTROL AND AUTOSTOP

As a standard equipment of the machine there is a traction control system connected to an electronic measuring device, which alerts and stops the feed if the nozzle of the rinsing hose meets an obstacle or some other reason causes the feed wheels to slip. If the hose stops completely, the **autostop function** of the measuring device stops the feed gear. This prevents damage to the rinsing hose and feeding wheels.

The progress of the rinsing head from the mouth of the drain is monitored on the number display. The distance information is obtained using a measuring wheel equipped with an electronic measuring device. The display shows in meters how far the hose has progressed. At the start of work, the measuring device is reset when the rinsing head is in the drain hole and the machine starts rinsing. When returning, the autostop function automatically stops the feed when the meter reaches the starting point.

ACCESSORIES THAT MAKE THE WORK EASIER

220° turning platform for the Xiros drain cleaner

Are there tight corners in the field? With the turnign platform, you can rinse freely on the right and left sides of the machine, as well as at the back. The chassis rotates on a 220° circumference, which is enough to cover the working area behind the tractor.

The turning platform includes the frame, the turning circle and a hydraulic unit for operating the water pump. The Xiros drain cleaning machine is installed on the platform and attached to the turning circle. The combination of the turning platform and the drain cleaner can be installed with a three-point quick attachment behind the tractor to lifting equipment, to a front lifting device or behind a water trailer. The machine is connected to the hydraulic water pump with a quick connection, the hydraulic hoses and electrical connection are connected, and the machine is ready for use.

Water trailer

The Xiros draincleaner can also be equipped with a water trailer, when there are no water ditches or trenches near to the working sites. The Xiros drain cleaner is then attached to the back of the tank wagon.

Positioning radar

Instead of the basic nozzles attached to the rinsing hose, it is possible to place a positioning radar, which can be used to locate the blockage more precisely.



REMOTE CONTROLLED

The machine is fully remote controlled, i.e. it comes with a wireless control device equipped with an emergency stop. All functions of the machine are controlled by this 8-channel radio control. As a backup system, the machine's electrical panel has hand switches that can be used to drive the machine manually.

XIROS equipment and technical information

TECHNICAL INFORMATION

- Length: 150 cm
- Height: 238 cm
- Width: 210 cm
- Weight: 685 kg
- Feeding device: 4 pulling feeding wheels
- Pump: AR-1504, 153 L/min max. pressure 50 bar
- Drainage guide arm length 531 cm
- Drainage guide arm raising/lowering: zoom function in/out and lateral movement +/-2 m
- Frame: Durable, powder coated plate frame
- Rinsing hose: PE100 27x3.3 mm 500 m

ACCESSORIES

- Positioning radar
- Water trailer 6,5 m³
- 220° turning platform
- Special color on order

STANDARD EQUIPMENT

- Radio-controlled remote control
- Electronic distance measuring device (display + electronic measuring wheel, AUTOSTOP)
- Traction control system for feeding wheels
- 2 rinsing arms: A normal arm for rinsing from an open ditch, and a well arm for rinsing through a well. Well rinsing arm is suitable for at least 380 mm well.
- Accessory box
- Drainage guide arm automatic locking device
- PTO shaft (Power take-off)
- Suction hose 10 m
- Return water hose 10 m
- 500 m rinsing hose



XIROS ensures the functionality of your drainage!



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