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The Italian environmental
industry's recipe for the
challenge of climate change

TORNADO WITH WATER RECYCLE SYSTEM

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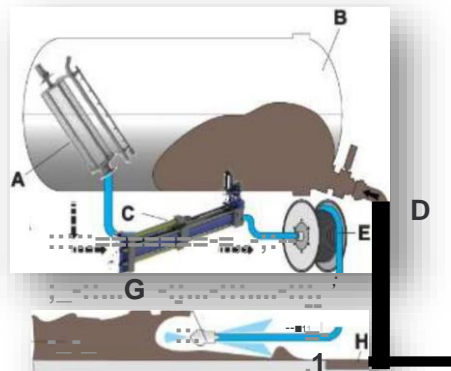
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Equipment with MT-REX recycling system: HOW IT WORKS

With the water recycling system, the cleaning of the pipes and the extraction of wastewater are combined in a continuous process thanks to the simultaneous treatment.

The material is sucked up and treated directly on the vehicle: the solid bodies are separated and the resulting treated water is reused for high-pressure washing of the waste water pipeline.



Equipment with MT-REX recycling system: HOW IT WORKS

MT-REX recycling equipment is used for the maintenance of large pipelines or for the cleaning of road manholes. The maintenance of sewer systems requires the use of a large quantity of water to remove the debris that settles inside the pipes themselves.



The possibility of reusing the water sucked into the tank with the sludge for washing makes MT-REX a machine capable of carrying out a very considerable amount of work without having to stop to go and stock up on water. Work autonomy is also guaranteed by the possibility of accumulating only the solid waste resulting from filtration in the sludge compartment, dramatically multiplying the accumulation capacity of the tank.

Advantages of equipment with a recycling system MT-REX

Water is becoming more a precious resource every day; water recycling on a vehicle is used to save clean water, reduce waste and increase productivity.

Is an ecological and environmentally friendly machine: the cleaning of our sewer system is carried out using a high-pressure water jet which removes the material that deposits on the pipes; the larger the pipes are and perhaps even very blocked, the greater the quantity of water that is necessary for cleaning operations.



Tornado equipment with the MT- REX recycling system

The KAISER KDU 168 pressure transformer performs the functions of the more classic piston pump but it's actually a type of new concept high pressure pump. The operating principle is extremely simple: inside the cylinder that constitutes the pressure transformer there is a piston that separates the flow of water from the hydraulic oil for the transmission. Using a variable flow hydraulic pump, a quantity of oil flows at a given pressure value to "transform" these values into equal performance in the water circuit.

STRENGTHS:

Low operating
speed

Infinitely
adjustable
pressure and flow
rate

Power absorption
as a function of
actual
performance



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Our working force during a working day

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