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Max 350 mm



As from 440 kgs



600 litres



HIGH-PRESSURE CLEANING

eFLOW ONE AND eCITYJET

ELECTRICALLY DRIVEN MACHINES

All-electric sewer cleaning machines for sewers up to 350 mm

Many European cities will ban diesel-powered vans from city centres from 2025. The electric van has made its appearance and is rapidly gaining popularity. Electrification of machinery is also in full swing. Rioned introduced the first all-electric sewer machine in 2019, a world first for the time. Electric cleaning and unblocking of sewers is very much up to date and long gone. Rioned is ready for it and sets the standard! With the introduction of the eFlow One, there is now an economically interesting electric machine that is in many ways superior to conventional, fuel-driven machines.

VANS

Meanwhile, there is also a wide range of, practically deployable, electric vans available. The new generation of vans has a range of more than 300 km, something that until recently seemed unfeasible. However, an electric machine is not necessarily tied to an electric van; an electric machine also offers many advantages in a diesel or petrol-powered van. Think of jobs carried out at night or in a densely populated residential area. The noise level of an electric machine is many times lower than that of a fuel-driven machine. Operating costs are also significantly lower due to lower maintenance requirements and fuel costs. During unblocking operations in a car park, tunnel or building, the user and his surroundings are not affected by harmful emissions. If required, the machine can still be placed in an electric bus later.

BATTERIES AND BATTERY MANAGEMENT SYSTEM

The eFlow One and eCityJet are two fully electrically powered sewer cleaning machines. The pumps of both machines are powered by state-of-the-art Li-ion MGE batteries that can be used to work for days without needing to be recharged. Only when the water tanks have been filled 8 to 10 times do the batteries need to be energised.

A high-quality battery management system is essential for proper machine operation. The BMS of both Rioned machines is equipped with a clear LCD display, which provides insight into the charging status and condition of each individual battery and guarantees optimum operation. Battery charging can take place anywhere a normal (230V) socket is available. At the end of the working day, the plug goes into the socket to start work the next morning with renewed energy.

Each individual battery has a capacity of 5.8 kWh. The eFlow One has 3 of these power sources, while the eCityJet has as many as 6. With both machines, you can work the same amount of time with the eCityJet having the highest capacity (Pressure and litres per minute). With normal use, it will take at least 8 years for the batteries to lose some capacity. If there is a power connection at the work site, the machine can be recharged while working.



Fully controllable with the RioMote

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- Zero emissions
- Extremely low noise level
- Work for days without charging
- Suitable for any type of van (fuel or electric)



eFLOW ONE

The eFlow One is a completely new design electric machine, a breakthrough in electric sewer cleaning. With its 150 bar pressure and 50 litres of water per minute or 200 bar pressure and 35 litres of water per minute, the machine is ideally suited for cleaning and unblocking house connections pipes up to about 250 mm. The machine is compact and, above all, lightweight. Control takes place entirely by means of the remote control with display supplied as standard. All important information (pressure, litres, water level and service messages) is thus within easy reach of the operator, wherever he or she may be. The high-pressure reel is electrically driven as standard and the high-pressure hose can be uncoiled remotely. This entry-level model makes electric cleaning accessible to everyone.

eCITYJET

In terms of performance, the eCityJet rivals the most powerful fuel-driven machines. With 200 bar / 60 litres per minute, or 160 bar 85 litres per minute rinsing capacity, the machine is well suited for cleaning pipes up to 350 mm. As standard, the machine comes with two water tanks of 300 litres each, a 135° swivelling reel with mechanical clearance and 80 metres of MaxFlow HD hose.



TECHNICAL SPECIFICATIONS

	eFlow One	eCityJet
Operating range	Max 250 mm	Max 350 mm
Electric motor	14 kW	24 kW
Battery pack	17 kWh	34 kWh
Battery Management System	With LCD display for monitoring individual batteries. Battery status and charge warning.	With LCD display for monitoring individual batteries. Battery status and charge warning.
Rioned/Speck Pump	150 bar / 50 lpm 200 bar / 35 lpm	2200 psi / 11 gmp 3000 psi / 8 gpm
		160 bar / 75 lpm 200 bar / 60 lpm
		2300 psi / 17 gpm 3000 psi / 13 gpm
Pump protection	Run-dry protection with overrun possibility	Run-dry protection with overrun possibility
Pressure regulation	Type Speck with automatic bypass	Type Speck with automatic bypass
Water tank	400 litres	600 litres (2 x 300 litres)
Filling reel	35 metres NW 19	50 metres NW 19
Fixed hydrant connection	Optional	Connection with GK coupling for filling the tank Hydrant connection possible
HP hose	60 metres NW 13	80 metres NW 13 or NW 16
HP reel	Fixed reel, electrically driven. Equipped with freewheel	180° swivelling, electrically driven and with RioFree freewheel
Control	By means of 7-channel remote control with display including pressure, water flow and water level	Rioned eControl+
Weight	from 440 kg	From 750 kg
Dimensions (lxwxh)	1,260 x 1,050 x 1,105 mm	1,615 x 1,240 x 1,195 mm
Nozzles	2 x 1/2" (1 open, 1 blind)	2 x 1/2" (1 open, 1 blind)
Accessories	Spray gun with lance	Spray gun with lance
Color	Blue cover, black metal frame	Blue cover, black metal frame

OPTIONS

Remote control	Included	Riomote 9-channel remote control
RioPulse pulsator	Pump adjustment to send water through the hose in pulses	Pump adjustment to send water through the hose in pulses
Anti-freeze tank	30 litre anti-freeze tank with circulation system to protect the high-pressure pump	30 litre anti-freeze tank with circulation system to protect the high-pressure pump
Extra HP hose length	80 metres NW 13	100, 120 or 140 metres NW 13 or NW 16
Fixed suction venturi	Suction device for filling the tanks with surface water	Suction device for filling the tanks with surface water
Second HP hose reel	Second HP reel instead of filling reel	Second HP reel instead of filling reel
Radiographic control HP reel	Included	Coiling on and off via the radio remote control
RioMeter hose counter	N/A	RioMeter hose counter for displaying metres of hose in the pipe
Electric water level control	N/A	Automatic system to open and close the filling line of your machine if the water has reached its minimum or maximum level in the tank