

We improve environment for people and animals.

Livestock

Food

Cars



Envirologic is since many years a company in the working environment sector developing and marketing robotic solutions for high-pressure cleaning in harmful places where humans take damage. Envirologic's products make substantial difference for people's working environment and health.



CARE ABOUT PEOPLE



Cleaning robot

Your Cleaning robot quickly becomes profitable allowing staff the time to manage the pigs which will bring increased productivity. It provides a better working environment with more motivated employees and therefore healthier animals with faster growth.

The robot can run nonstop for about two days without recharging. It usually works from the aisle and is controlled by a computer. The wash arm is movable in three ways and has an angled spray nozzle which can be rotated 360 degrees. With an effective working range of up to 6 meters it reaches all areas in a pen. After washing a pen the robot moves automatically down the aisle to a marker at the next pen and repeats the washing program in this pen. The process is repeated until the whole section is washed. The whole process can be programmed to run as many times as you like until you are satisfied with the result.

Manually pressure washing piggeries is without doubt the worst job in agriculture. The power of the high pressure washer quickly affects neck and shoulders and can cause strain injuries. The vibrations create circulation problems with numb white fingers as a result, to say nothing of the small particles which fill the air in the trail of the high pressure jet. Dust, mould, spores and micro-organisms are flying around and these are harmful and very difficult to protect against. Irritable respiratory passages, burning eyes and flu' like aches with fever are common and signs of a work environment that is not acceptable and could contravene Health & Safety regulations. More severe inflammation in the upper finer respiratory passages are not uncommon and are a breeding ground for asthma and heart problems. Arthritis problems and rheumatism are other possible symptoms related to the unhealthy environment.

Why put your and your employee's health at risk when you can use a potent washing robot to do the dirty job?



The Robots are programmed via a joystick which controls the robot motions simultaneously as they are stored in the controlling computer. Just one programming per different pen type is necessary. The robot can then repeat the learned movement pattern of every similar pen. A washing program for the whole section is then put together and stored in the computer, The delivery of your Clever Cleaner includes not only installation and operator training but also assistance and help with the first programming. We can also offer you extended training were we together do the programming of your buildings.

Should anything happen to your Clever Cleaner we will not let you down. We have a large network of skilled technicians and they can quickly be on site wherever you are in the world!

Clever Cleaner



Clever Cleaner is perfect for you who focus mostly on function. It is a construction proved easy to use and durable for many years in differnt places of the world. Frame and shield is in stanless steel and in the control system you are able to store about 120 different programs to form up to 60 different recipes.

Clever Cleaner has 50 meters of hose on the hose-reel and can be equipped with many different options, including electric transport wheel.

Evo Cleaner



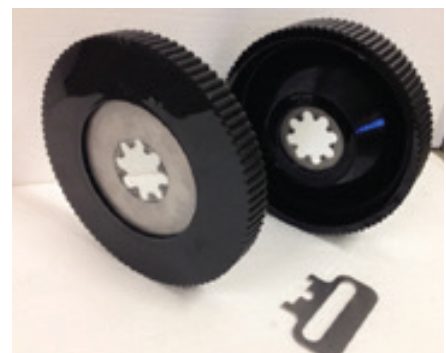
Evo Cleaner is the latest robot to be developed and contains a lot of new, top of the line, technology. It has a very advanced control system, with graphic user interface and a computer which can communicate with the user or service via 4G over internet. The system is able to store 500 different programs to form as many different recipes. Electric transport wheel is included and also, among other things, a newly developed system to control the hose on the hose-reel. This is the obvius choice for you who want's latest technology and the best cleaning robot existing on the market.

Compact Cleaner



Compact Cleaner is the option for narrow aisles. While the Clever and Evo Cleaner are running through the aisles down to 60 cm in width, the Compact Cleaner thanks to it's hydraulic outrigger, run in aisles down to 45 cm.

Flexi-Wheel is a system making it possible to change wheels with the speed of lighting. In a few seconds you can switch from the standard 70 mm wheel to 30 or 4 mm wide. This to increase flexibility and be able to work in narrow aisles.



Specifications

	Clever Cleaner	Evo Cleaner	Compact Cleaner
Total width:	680 mm	680 mm	420 mm
Total width with special wheels:	600 mm	600 mm	-
Total length incl. sideways guidance wheels:	2100 mm	2100 mm	2100 mm
Total height when retracted:	1610 mm	1610 mm	1570 mm
Effective working range:	Up to 6000 mm	Up to 6000 mm	Up to 6000 mm
Frame:	Stainless steel	Stainless steel	Stainless steel
Covers:	Stainless steel	ABS	Stainless steel
Power supply:	24 V DC	24 V DC	24 V DC
Weight:	270 kg	270 kg	280 kg
Guidance wheels:	Removable/reversible	Removable/reversible	Fixed
Transportation wheel:	Power operated	Power operated	Power operated
Control system:	Hitachi PLC STD	E-Top 500	Hitachi PLC STD
Alarm device:	No	Yes, via internet	No
Hose couplings:	Galvanized steel	Stainless steel	Galvanized steel
High pressure hose on reel:	Length 50 m, Ø3/8"	Length 50 m, Ø3/8"	Length 50 m, Ø3/8"
Hose spreader	No	Yes	No
Recommended water pressure:	180-220 bar	180-220 bar	180-220 bar
Recommended water flow:	15-18 l/min	15-18 l/min	15-18 l/min
Minimum measure aisle, standard wheels:	1000-800 mm in-out	1000-800 mm in-out	1150-500 mm in-out
Minimum measure aisle, special wheels:	1100-650 mm in-out 1000-700 mm in-out 900-800 mm in-out	1100-650 mm in-out 1000-700 mm in-out 900-800 mm in-out	-



CARE ABOUT PEOPLE

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