

ProCleaner

X100



Washing Robot for Pig Barns

Powerful, Flexible and Reliable

Technical Brochure

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WASH POWER™
Make cleaning easy

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The X100-series

ProCleaner X100 is a powerful, flexible and reliable washing robot for cleaning the vast majority of types of pig houses. The Machine is simple in its construction but houses an effective, high-tech washing robot that is able to cope with even the biggest jobs.

The machine has an ultrasound sensor on each side which ensure that the machine stops when it reaches a wall.

ProCleaner X100 can be programmed to run both a soaking program and several different types of washes.

The machine is connected via the existing high-pressure system and requires a water volume of minimum 25 liters per minute.

Specifications

Dimensions	110 x 67,5* x 160 cm
Weight	285 kg
Power supply	230 V**
Amperage	6 amp**
Water consumption	Min. 25 / maks. 40 l/m
Max. water pressure	200 bar
High pressure pump	External
Max. water temperature	60° C

*) 59 cm with special wheel and only 52 cm for the XS100 model

**) XB100 = battery driven

The different models

X100 - compact module

For barns with some vertical obstacles close to the corridor, the compact module is an obvious choice. For other barns on your farm, without obstacles, you can use extension arms and extend the washing arms.

XS100 - xtra slim

Xtra slim model developed for barns with xtra narrow aisle. Built with different wheels and merged into the chassis we gain the extra centimeters needed to operate in tight places.

XB100 - battery driven

For big pig barns where the max. hose length of 55 meters is not enough, we have developed the XB100, which is battery driven. This model is equipped with a single hose and therefore we can offer 100 meter hose on the same hose roll. The running time with fully charged batteries is 12-14 hours. If you chose an extra battery pack, the running time will be up to 25-30 hours.

Key features



Powerful nozzles and flexible arm lengths

ProCleaner X100 is equipped with 2 special powerful nozzles that are designed to form the water into a powerful water jet with an extensive range. The washing telescope arms are delivered in a customized length, the shortest being 30-60 cm and the longest 140-280 cm.



PLC-control with touch screen

The ProCleaner X100 is easily programmed and started from the colour screen with touch function. The user interface is made intuitively for easy programming and day-to-day use. The terminal originates from the shipping industry which ensures high quality.



Multi-function power point

On the side of the washing robot there is a multi-function power point with 3 functions

1. To depressurise the washing robot before disconnecting
2. An extension hose for the high pressure cleaner
3. To back-rinse the high pressure filter on the washing robot



Specially developed hose roll

A specially developed hose reel with a combi-hose (water on one side and power (230v in the other) is automatically rolled out when the robot is in progress. When the robot is run backwards, the hose is reeled in using a lever and a hose on an automatic winding device ensuring that the hose is rolled up neatly.



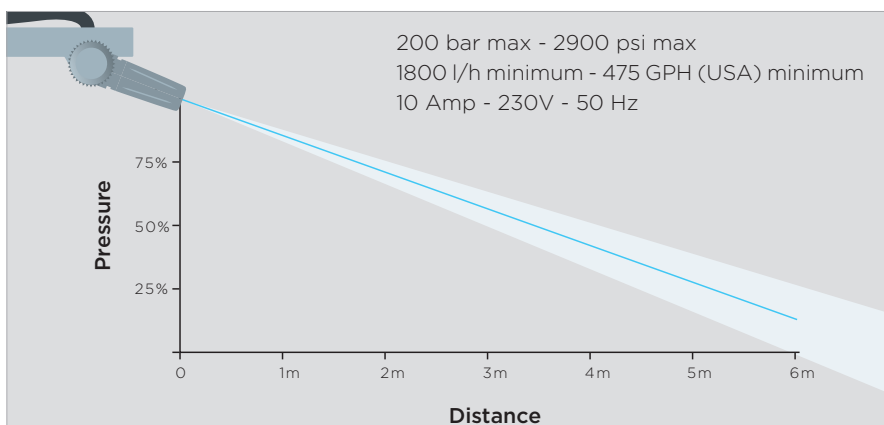
Mobile and easy to store

When the washing robot is not being used, the side arms can be stored easily in the brackets on the side of the robot so that they do not take up any more space than is necessary, when you have to move the machine or store it.



Side wheels

The side wheels are used to direct the washing robot within the corridor. They are adjustable to the sides to fit any width the corridor may have.





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Options for the X100-series



Aluminium rails

We have developed a low weight railing system for open pig houses where the ProCleaner X100 can't be directed within a corridor or alongside a wall. The length of the rail system is infinite and consists of 2- and 3-meter-long units.



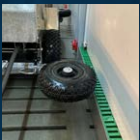
Extension arms

In case of pen-depths in different barns which vary a lot, extension arms of 50 and 100 cm will be a big help to get deeper into the pens and having a even better washing results.



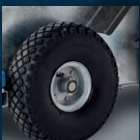
Larger hose diameter

For farms with a need for extra fast washing it is possible to choose a 1/2"-hose. This allows a main wash with both nozzles at the same time. This solution requires a bigger capacity of the high-pressure pump (60-70 liters).



Special sidewheels

Pig barns are equipped differently around the world, that is why we have a large range of special side wheels to assure we have the best solution for any barn.



Wheels

We have different wheel sizes for our ProCleaner X100, depending also on the width of the corridor. The standard wheels are air rubber ones, mounted on galvanized rims, the same size you can get as solid rubber. For an extra narrow version of the robot, we have solid aluminum wheels.



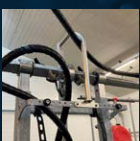
SMS-module

It is possible to receive sms-notes sent directly from the robot to your mobile phone. For instance to get a notification when the washing is finished e.g.



Side guide

With help of the side guide, the robot will be automatically directed to the inventory. This is a good option if you only have a wall in a barn the robot can be guided against.



Ceiling wash

It is possible to choose ceiling wash as an option.