High-pressure washer

The robot must be connected to an external high-pressure washer in order to wash.

What kind of high-pressure washer does the EVO Cleaner need?

The robot is delivered with, and shall be used with, a size 0.55 turbo-nozzle. The high-pressure washer suppling water to the robot must be specified to work with a flow of 16-18 liters/minute at a pressure of 180 to 220 bars. The water pressure will drop slightly between the pressure washer outlet and the nozzle.

Pressure - Bar [PSI]	Flow with rotary nozzle L/min [GPM]
160 [2300]	16.0 [4.2]
180 [2600]	17.0 [4.5]
200 [2900]	17.9 [4.7]
220 [3200]	18.8 [5.0]

The flow is less then most operators use when they are washing today but the whole idea about using a robot is that time is not so important anymore. Best result with the robot is achieved when it's allowed to clean the same space several times.

- The robot can wash up to 30 hours non-stop.*
- Soaking and washing is normally done with the robot.
- Water consumption is less than 1 m3/hour.

**Depending on how demanding and efficient the programs are.*

What kind of high-pressure washer?

A high-pressure washer with too big pump will by-pass the extra water or in worst case constantly start and stop. The incoming water is never completely clean and this by-pass causes a big wear on pump and valves. Too small pump and you will not get the pressure required.

Required specifications for the high-pressure washer:

- Water pressure: 180 – 220 bar
- Flow about 16-18 litres/min (1000 L/hour), higher flow is only a cost
- High quality, it's going to work long hours
- Automatic start/stop function
- Controlled with pressure switch. (There are also pumps controlled by a flow-switch. That, however, sometimes gives problems starting the pump since it's depending on the water flow

on the farm which mostly goes up and down)

Examples to buy:

- KÄRCHER HD 10/25-4 S
- KRÄNZLE QUADRO 1000 TS
- RENO 195/18 with pressure switch
- RENO 220/18 with pressure switch

Remember to use a **water filter** with the incoming water to the high-pressure washer (filter placed before the high-pressure washer). Water isn't always clean and the particles make wear on the high-pressure washer, the nozzle and robot sealings.

We recommend that you buy your high-pressure washer from the local dealer who can give you the best service.

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