

CHECKLIST FOR SALES OF EVO CLEANER

Explanation for each checkpoint and customizable options can be found on other tabs in the sheet

CHECK	NOTE
Width of the narrowest aisle <i>(At narrowest point, including obstacles)</i>	
Length of the longest room	
Height of the lowest wall	
Depth of the deepest pen	
Number of pens in a row in all rooms intended to wash	
Width of all aisles/corridors where the robot is to be handled	
Width of doorways	
Obstacles along the wall intended to follow	
Horizontal bars along the wall intended to follow	
Uneven flooring or/and possible obstacles on the floor/slat	
Pressure washer	
Planned usage of the robot <i>(No. of washing times/hours per week, month etc.)</i>	

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Note that all measurement data are approximate guidelines and variations may occur from time to time

In case of doubt, this can advantageously be consulted together with Envirologic by sharing photos and/or videos from the concerned farm

CHECK	REASON	BRIEF INFORMATION	DETAILED INFORMATION
Width of the narrowest aisle <i>(At narrowest point, including obstacles on walls and floor)</i>	1. To find out if the robot fits in the aisle	Minimum width: 65 cm	https://wiki.envirologic.se/doku.php/parts:wheel_types
	2. To find out which wheels to use	76 cm or above: Standard wheels. 75 cm or below: Narrow wheels	https://wiki.envirologic.se/doku.php/aisle_robot_measurements
	3. To find out which model of marker to use, standard or short	81 cm or above: Standard. 80 cm or below: Short	https://wiki.envirologic.se/doku.php/parts:magnetic_markers
	4. To find out if corner wheels are needed	May be needed in very narrow aisles	https://wiki.envirologic.se/doku.php/parts:guidance_side_support_-_wheels#corner_wheels
Length of the longest room	To find out what length of hose is needed	Standard: 50 m Maximum: 70 m	https://wiki.envirologic.se/doku.php/parts:hose_reel
Height of the lowest wall	To find out which form of marker to use, U-form or S-form	75 cm or above: U-marker. 74 cm or below: S-marker	https://wiki.envirologic.se/doku.php/parts:magnetic_markers
Depth of the deepest pen	1. To find out if the robot reaches to wash the entire pen	Maximum range: 6 m	https://wiki.envirologic.se/doku.php/prog:double_nozzle
	2. To find out if the robot needs to be equipped with double nozzles	4.5 m or above, double nozzle is needed	
Number of pens in a row in all rooms intended to wash	To find out how many markers and marker brackets are needed	Most common: Finishing, one marker/pen on one side of the aisle Farrowing, one marker/every second pen on one side of the aisle	https://wiki.envirologic.se/doku.php/parts:magnetic_markers
Width of all aisles/corridors where the robot is to be handled	To ensure there is enough space for the robot to move around corners from one aisle to another		https://wiki.envirologic.se/doku.php/aisle_robot_measurements#cornering_-_from_aisle_to_aisle
Width of the doorways	To ensure the robot is not too wide to pass the doorways and also be moved into intended aisle		https://wiki.envirologic.se/doku.php/aisle_robot_measurements#cornering_-_from_aisle_to_aisle
Obstacles along the wall intended to follow	1. To ensure the obstacles are not bigger than the robot can handle	Maximum: 8 cm	https://wiki.envirologic.se/doku.php/parts:guidance_side_support_-_wheels#the_measurements_in_operating_mode
	2. To find out if wide guidance wheels are needed	For obstacles 4 cm or higher, wide guidance wheels are recommended	
	3. To find out if corner wheels are an option	Maximum: 1 cm	
Uneven flooring or possible obstacles on the floor/slat	1. To ensure obstacles and inclinations are not bigger than the robot can handle 2. To ensure the wheels have good enough grip		https://wiki.envirologic.se/doku.php/parts:wheel_types
Horizontal bars along the wall intended to follow	To find out if high guidance wheels are needed	Needed if the distance between the bars is 6 cm or more	https://wiki.envirologic.se/doku.php/parts:guidance_side_support_-_wheels#high_wheels
Pressure washer	To find out if existing pressure washer is compatible with the robot	1. 15 – 18 liter/minute, 180 – 220 bar	https://wiki.envirologic.se/doku.php/user_manuals:high-pressure_washer
		2. Controlled by pressure switch	
Planned usage of the robot <i>(No. of washing times/hours per week, month etc.)</i>	To find out which batteries to use and/or if an extra set of batteries is needed	1. If using the robot 30 h or more before charging, upgrading to AGM batteries is to recommend 2. If there is not enough time to charge the batteries properly between the uses, an extra set is needed	https://wiki.envirologic.se/doku.php/parts:batteries

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ACCESSORIES NEEDED

ITEM	USE	SHOW	PART NO.
Magnetic markers	Only used when washing, then moved to the next room about to be washed. The number needed is as many as you need in the largest room.	https://wiki.envirologic.se/doku.php/service:spl:spare_parts_list_rev2#accessories	32030
			32026
			32040
Marker brackets	The magnetic markers are attached to this bracket. The brackets is a one-time installation and shall be mounted in all rooms intended to wash with the robot.	https://wiki.envirologic.se/doku.php/service:spl:spare_parts_list_rev2#accessories	30000
Tube clamps	Used together with the marker bracket if the bracket can not be attached directly to the wall and instead must be attached to a pipe.	https://wiki.envirologic.se/doku.php/service:spl:spare_parts_list_rev2#accessories	30010

CUSTOMIZATION OPTIONS

ITEM	USE	SHOW	PART NO.
Narrow wheels	Used if the standard wheels are too wide. The narrow wheels can be replaced with the standard wheels without any extra cost if this is noted when ordering.	https://wiki.envirologic.se/doku.php/service:spl:spare_parts_list_rev2#accessories	977031
Double nozzle	Used for extending the washing range from 4.5 meter to 6 meter.	https://wiki.envirologic.se/doku.php/service:spl:spare_parts_list_rev2#accessories	1101201
Guidance wheel 400 mm	Used when the obstacles along the wall are greater than 4 cm.	https://wiki.envirologic.se/doku.php/parts:guidance_side_support_-wheels#wide_wheels	979201
Guidance wheel high	Used when the wall consists of horizontal bars with a measurement of 6 cm or more in between the bars.	https://wiki.envirologic.se/doku.php/parts:guidance_side_support_-wheels#high_wheels	10003
Extended hose	For longer rooms, the hose can be extended to 60 or 70 m.		961017-60-RF 961017-70-RF
Corner wheels	Can sometimes be helpful to use on farms with very narrow aisles with no or very small obstacles along the wall.	https://wiki.envirologic.se/doku.php/parts:guidance_side_support_-wheels#corner_wheels	1109551
AGM batteries	If using the robot 30 h or more before charging, upgrading to AGM batteries is to recommend	https://wiki.envirologic.se/doku.php/parts:batteries	909244