



**MOLEDA**

SUSTAINABLE PLANT HEALTH



## Agro-Pure Brochure

The Agro-Pure is a sustainable and cost-effective way to sterilize equipment using steam.

## AGRO-PURE

The Agro-Pure sterilizes equipment using steam; this guarantees an evenly distributed temperature, which is crucial to eradicating unwanted pests and diseases found on the equipment. The system is widely used in nurseries and glasshouse production. Seedling trays, growing media, and gutters for NFT (Nutrient Film Technique) production are typically products that need to be sterilized before being reused in production.

### Features and benefits

- Offers a solution for disinfecting equipment without chemicals
- Containers are available in 20-foot and 40-foot sizes
- Temperature distribution ensures consistent and reliable sterilization
- The reuse of sterilized equipment allows for cost savings

The Agro-Pure treatment has been proven to eradicate root pathogens and viruses on trays, pots, and accessories in horticulture like clubroot disease in brassicas (*Plasmodiophora brassicae*), *Pythium* spp in NFT, hydroponics and aeroponic growing, *Phytophthora Cactorum* and *Phytophthora Fragariae* in strawberries, Pepino virus in tomatoes, Cucumber green mottle mosaic virus (CGMMV), Pepino mosaic virus, PepMV, Legionella, Salmonella and, intestinal bacteria.

### How does it work?

Agro-Pure uses clean steam at a temperature of 75°C to sterilize equipment. This temperature makes it possible to sterilize all kinds of material without damaging the equipment. Through our extensive experience and research, we can guarantee an evenly distributed temperature to ensure that all equipment is 100% free of any unwanted pests and diseases.

### Application

- Glasshouse productions
  - Vegetable and fruit
  - Ornamentals
- Propagation of seedlings
- Indoor / vertical farm productions
- Tree nurseries

We invite you to read about one of our customers' experiences in a case study on our website.

### Types of equipment

- Pallets
- Gutters
- Pots
- Trays
- Irrigation material
- Auxiliary equipment

### Advantages



#### Improved Plant Health

Because your equipment is sterilized, you will have a more hygienic growing operation, and because of that, the overall health of your crops will improve.



#### Flexibility

The Agro-Pure enables our customers to have the sterilization process in their own hands, no need to consult an external company. Convenient placed at your own production location.



#### Energy efficient

Because The Agro-Pure is an isolated container the sterilization process uses significantly less energy than the sheet steaming sterilization method.



#### Sustainable

Ensuring that your equipment is sterilized enables our customers to re-use the equipment that they otherwise would throw away. Additionally, no chemicals are used during the Agro-Pure treatment.

### Installation

We offer worldwide installation and service.







Data Sheet Agro-Pure				
General Information				
0	<b>Description</b>	20 foot Agro-Pure		40 foot Agro-Pure
1	<b>Part number</b>	AGPR-OP-20 / AGPR-EP-20		AGPR-OP-40 / AGPR-EP-40
2	<b>Dimensions - external</b>	6,05 x 2,43 x 2,59 (LxWxH in m)		12,19 x 2,43 x 2,89 (LxWxH in m)
3	<b>Dimensions - internal</b>	5,54 x 2,29 x 2,37 (LxWxH in m)		11,58 x 2,29 x 2,55 (LxWxH in m)
4	<b>Dimensions - treatment room</b>	4,00 x 2,00 x 2,37 (LxWxH in m)		10,20 x 2,00 x 2,55 (LxWxH in m)
5	<b>Dimensions - technical room</b>	1,20 x 2,29 x 2,37 (LxWxH in m)		2,29 x 2,29 x 2,55 (LxWxH in m)
6	<b>Dimensions - door</b>	2,29 x 2,26 (WxH in m)		2,28 x 2,43 (WxH in m)
7	<b>Weight</b>	3200 kg		4400 kg
8	<b>Protection rating</b>	IP65		IP65
Steam Supply				
9	<b>Part number</b>	<b>AGPR-OP-20 / AGPR-EP-20</b>		<b>AGPR-OP-40 / AGPR-EP-40</b>
10	<b>Water treatment system</b>	Ion exchange method		Ion exchange method
11	<b>Site water requirements</b>	Min pressure: 3 bar, tap water		
12	<b>Part number</b>	<b>AGPR-OP-20</b>	<b>AGPR-EP-20</b>	<b>AGPR-OP-40</b> <b>AGPR-EP-40</b>
13	<b>Power</b>	18 KW	30KW	38 KW      30KW
14	<b>Fuel / power supply</b>	Diesel	Electric	Diesel      Electric
15	<b>Site Power Requirements</b>	230 V~(AC) 50 Hz, 3 x 16 amp, dedicated circuit	400 V~(AC) 50 Hz, 3 x 63 amp, dedicated circuit	230 V~(AC) 50 Hz, 3 x 16 amp, dedicated circuit      400 V~(AC) 50 Hz, 3 x 63 amp, dedicated circuit
16	<b>Build type - steam supply</b>	Separate unit	Inside technical room	Separate unit      Inside technical room
17	<b>Dimensions - steam supply</b>	2,00 x 1,10 x 2,70 (L x W x H in m)	n/a	2,00 x 1,10 x 2,70 (L x W x H in m)      n/a
18	<b>Weight - steam supply</b>	280 kg	n/a	390 kg      n/a
19	<b>Capacity tank</b>	100 L	n/a	100 L      n/a
Treatment Information				
20	<b>Part number</b>	<b>AGPR-OP-20</b>	<b>AGPR-EP-20</b>	<b>AGPR-OP-40</b> <b>AGPR-EP-40</b>
21	<b>Treatment time</b>	6 - 8 Hours	6 - 8 Hours	6 - 8 Hours      6 - 8 Hours
22	<b>Water usage</b>	max: 18 liter / hour	max: 30 liter / hour	max: 38 liter / hour      max: 30 liter / hour
23	<b>Power consumption</b>	5 L Diesel / treatment	40-50 KW-h / treatment	10 L Diesel / treatment      80-100 KW-h / treatment
24	<b>Temperature range</b>	0 - 75 °C	0 - 75 °C	0 - 75 °C      0 - 75 °C
Practical Information				
25	<b>Part number</b>	<b>AGPR-OP-20 / AGPR-EP-20</b>		<b>AGPR-OP-40 / AGPR-EP-40</b>
26	<b>Treatment capacity - EUR-pallet (1,20 x 0,80, L x W in m)</b>	6 - 8 (depending on stack)		16 - 20 (depending on stack)
27	<b>Treatment capacity - CC-container (1,350 x 0,565 x 1,900, LxWxH in m)</b>	9 (3 rows)		21 (3 rows)
Additional Info				
28	<b>Other dimensions Container</b>	30-foot custom built on request.		
29	<b>Alternative power supply</b>	We do not offer the Agro-Pure with different power supply as listed above.		
30	<b>Chimney - Diesel powered steam supply</b>	For a diesel steam supply boiler a chimney needs to be mounted.		
31	<b>Transportation</b>	The Agro-Pure is build inside standard size shipping container unit.		



■ **ADRESS**

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