

# SPRAYER MUNCKHOF VARIMAS 1

**The Munckhof Air System Orchard Sprayer (VariMAS) has been developed in close collaboration with fruit growers to meet the growing demand for more spray capacity, an even higher drift reduction and even more accurate leaf coverage.**

Following the success of the VariMAS 3, Munckhof developed its compact VariMAS 1 row orchard sprayer. This flexible and agile sprayer has a high capacity and can also be used in berry plantations and vineyards, as well as orchards.

According to Munckhof the low power requirement of the VariMAS 1 allows growers to save over 25% on fuel costs.

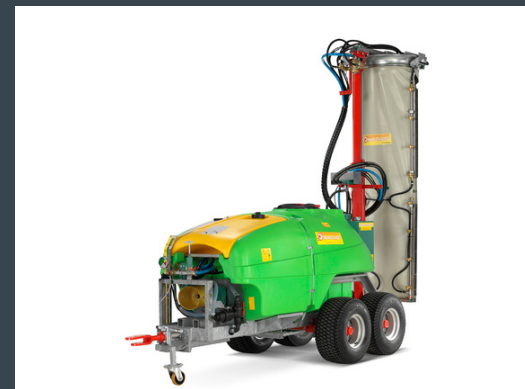
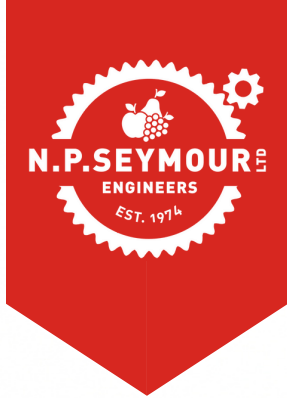
The Munckhof Air System Orchard Sprayers excel through optimal leaf coverage. This is ensured by the accurate adjustment of the driving speed, pressure on the nozzles (7 bar) and the rotation speed of the pump.

The high-quality distribution of air and liquid ensures direct air flow and optimum atomisation.

This creates a minimal loss, and the VariMAS has a proven drift reduction of 99%, tested and demonstrated by Wageningen University (WUR).

The air bag can suit tree heights from 2.50 up to 3.50 metres. Compact construction, low weight and centre of gravity mean this sprayer is extremely stable, even during transport.

The VariMAS is equipped with a mechanical agitator for a constant, optimal distribution of water and active substance.



A mixing pump prevents clogging of the cap and silting up or contamination of the filters during filling.

The air pockets are flexible, lightweight and do not oxidize. They therefore have a long service life.

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Model	Capacity (l)	KG	HP	Pump	Dimensions (l x w x h cm)	Nr. nozzle
7010 – 1R / 10410 – 1R	1000	720	25	WM70 / CP104	438 x 140 x 240	8
7015 – 1R / 10415 – 1R	1500	800	25	WM70 / CP104	464 x 140 x 240	8
7020 – 1R / 10420 – 1R	2000	880	25	WM70 / CP104	488 x 170 x240	8

# MUNCKHOF VARIMAS 1 SPECIFICATION:

- Available with either a 1000l, 1500l Polyethylene tank, or 2000l Polyester tank
- 120l purging tank
- 15-litre hand washing tank
- Sieve in filling opening
- Double level gauge
- Mechanical agitator
- Fully galvanised chassis
- Retractable step
- Nosewheel / Support
- Fixed drawbar
- Low pressure tyres 31-13.5x15
- PTO Drive shaft with double wide angle
- Electric valves
- Electric pressure setting
- Large manometer (100 mm)
- Suction & Pressure filter
- Spraying height to 3.50 metres
- Hydraulically powered fan(s)
- Trimatic anti-drip nozzle holders
- Track following drawbar (optional)
- Extra agitator injectors (optional)
- Hydraulically adjustable track width, tandem axle (optional on 1500l and 2000l)
- 26-12-12 Lawn tyres or 355/60R18 tyres (optional)
- Plunger pump WM 70, 70 L/min., 0-60 bar (optional)
- Plunger pump WM 80, 80 L/min., 0-40 bar (optional)
- Diaphragm pump CP 104, 104 l/min., 0-50 bar (optional)
- Chemical mixer in filling sieve (optional)
- Packing cleaner above filling sieve (optional)
- Combined packing cleaner/chemical mixer in filling sieve (optional)
- Tank cleaner (optional)
- Venturi filling and suction system for products (optional)
- Extra agitation pump, hydraulically driven (optional)
- Hydraulically height adjustable mast (optional)
- Hydraulically retractable air bag(s) (optional)
- Hydraulically adjustable row width 3.00 – 4.00 metres (optional)
- Double pipe system with anti-drift nozzle and electric taps (optional)
- Closable air bag(s), one side, operated from tractor (optional)
- VariMAS air control system (only with Müller Spray computer) (optional)
- Spraying computer 800 Touch + Joystick (optional)
  - Automatic dosage regulation, depending on; speed, working width/number of sections open.
  - Temporary increase/decrease of dose, in percentages.
  - Clear graphical representation of the activity
  - Compact userfriendly operation through touchscreen with joystick
  - GPS-ready
  - Digital application map controlled spraying ready