

Demo Sprayer

Demospuit

"A new sprayer for educational and demonstration purposes of trainers and advisory services has been developed by AAMS"

Firstly, this demo sprayer can be used to show the normal functions of a sprayer. Secondly, the sprayer can be equipped with a continuous cleaning kit to simulate different cleaning procedures. Thirdly, it is small and easy to transport. Keep reading to learn more about this new demo sprayer!

The sprayer is built like this so that all normal functions of a sprayer can be demonstrated (pressure regulation, shut off/on, section valves with adjustable return and manual proportional valve, hydraulic agitation, etc.). The sprayer is equipped with an 220 V electric driven pump with a capacity of 20 l/min at a maximum pressure of 20 bar (a 12 V pump is available on request).

The height of the spray boom can be changed in different steps. This way the effect of spray boom heights for different nozzles and pressures can be simulated.

The spray boom is mounted at a certain distance from the frame so that a small patternator can be used under the boom to collect all the liquid.

The spray boom has eleven nozzle bodies, separated in three sections. It is designed to simulate different cases. Nozzle bodies are placed 25 cm from each other and can carry up to 5 nozzles on each body. All nozzles can individually be turned off. The sections are connected in such a way that when a distribution under a spray boom is simulated, the same number of nozzles is active under the boom. These interspaces allow us to show the effect of end nozzles on the distribution under a boom (as well at 50 cm as at 75 cm from the next normal nozzle).

We have chosen to work with a transparent tank with the sprayer built around it. We decided to install a transparent tank to show the effect of cleaning the tank and what happens with the transparent tubes during the action. This way all spectators can follow all the internal actions in the tank. In order to avoid any leaks in the tank, the protection walls are bent to its shape and welded with a special technique. The tank has a total content of +/- 55 litres.

On request the sprayer is equipped with an extra cleaning kit that can be used to demonstrate different cleaning procedures when using the clean water tank content in one, three or four times or use continuous cleaning. For this last option, the extra pump (12V) is adapted to the size of the sprayer and all nozzles have to be active to show the effect. Samples can be taken and shown to the audience during the different cleaning procedures.

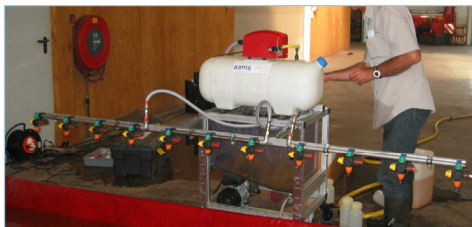
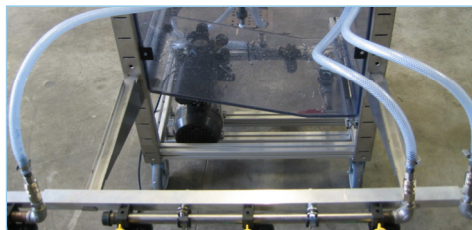
We would like to end with some general information and useful figures. All parts of the demo sprayer are of aluminium or stainless steel to reduce maintenance and guarantee a long life time.

To make it handy, it is built as light and compact as possible (weight when empty is less than 35 kg). It has four large swivelling wheels with double brake to move it around (even when working). The cleaning kit can be dismounted for easy transport. All commands etc. are built within the main frame to avoid damage during transport. The transport dimensions of the sprayer are less than 80 cm width, 60 cm depth and 100 cm height. The transport dimensions of the optional cleaning kit are 85 cm by 30 cm by 53 cm.

De AAMS-SALVARANI demospuit is speciaal voor scholing en voorlichting ontwikkeld. De spuit is volledig en er is voor gezorgd dat er zo veel mogelijk doorzichtig materiaal werd gebruikt bij de demo-spuit, zodat de vloeistofstromen zichtbaar zijn. De demospuit is gemakkelijk te verplaatsen dankzij de transportwielen en het geringe gewicht (35kg.). Afmeting: 100 x 80 x 60 cm.

De demospuit is voorzien van aansluitingen voor het AAMS-SALVARANI continue reinigingssysteem. Dit reinigingssysteem is optioneel verkrijgbaar en kan gemakkelijk op de demospuit aangesloten worden. Het model is voorzien van:

- 220V pomp, 20 bar, 20 l/min
- Drukregelaar
- Manometer
- Doorzichtige tank van 50 liter
- 3 Sectie kranen met hoofdkraan
- Retourleiding met roering
- Doorzichtige slangen en spuitleiding met snelkoppelingen
- 260 cm. spuitleiding afneembaar in verschillende delen (2 x 4 en 1 x 3 dophouders), dopafstand is 25 cm.
- Trapsgewijze hoogteverstelling van de spuitboom
- Voorbereiding voor de opbouw van AAMS-SALVARANI continue reiniging
- Twee vaste wielen en twee zwenkbare wielen, met rem
- Wordt geleverd zonder doppen en dopmoeren. Deze kunnen in elke gewenste uitvoering geleverd worden.



Code Code	Description	Beschrijving
0072000	Demo sprayer, with 220V pump 20 l/min 20 bar	Demospuit, 20l. pomp op 220V, max. 20 bar