

The SG-M20 is an Irrigation machine that has been build based on the experience, that only Growers and Technicians that are involved in cultivation of plants can have. The SG-M20 is an irrigation machine with sophisticated options and possibilities, but it is **first and foremost** a machine that is **safe, reliable** and **easy to use**.



The machine that produces benefits to the growers is the machine, that does the necessary job day in and day out the year around. First and foremost what is important to your production is, that the correct amount of water and nutrients are supplied to the plants at the adequate moment.

The machine that expands as you expand

The SG-M20 has a wealth of possibilities and options that you can take advantage of. But the SG-M20 can also be used as standard "no-frills" equipment that just gets the job done. The Grower is in charge, does he want to expand or take advantage of new information and ideas, and then it is most likely that he via the SG-M20 has these already.

Example: If you grow tomatoes in a hydroponics system, you can choose to start by irrigating on fixed times during the day or with a fixed interval between the irrigation. But you can also choose to combine the fixed irrigation with solar radiation control or, if you want to be even more advanced, use the Drain Control option, which is the most advanced available in the market. You choose because you have the possibilities.

Remote control and Data logging

A PC program has been developed to communicate with the SG-M20 computer. It is possible to communicate with the irrigation equipment via modem. It is also possible to receive alarms etc to your mobile phone.

Adapted to all types of Plant Production

The SG-M20 can control virtually any kind of Plant Production from large plantations of thousand of hectares to smaller greenhouse operations using re-circulation systems.

The result is that today SCANGROW produces automation to the horticultural sector, which can be suited to virtually anywhere on the globe. The development is very much a joint effort between the clients and the rest of the horticultural sector in conjunction with SCANGROW. This very fruitful process continues in a dialogue that makes SCANGROW the favourite choice for the modern growers.

Start conditions

Control of irrigation with "X" different start conditions. Combine as many of the "X" start conditions, as you want. Outstanding drainage program for soil-less crops.

Highly versatile computer

Control up to 8 stock solutions plus acid/alkaline. Create up to 10 irrigation groups with up to 32 valves in each group.

Re-circulation capacity

Control collection and re-circulation of irrigation water. Use of both re-circulation and blending of re-circulated- and fresh water.

Proportional or EC/pH controlled dosing

Choose between proportional or EC/pH controlled dosing of fertilizer or **Combine the two**.

Connect more sensors - better control and security

You can connect up to three EC sensors and two pH sensors adding extra security and control options.

Numbers of valves connected

The SG-M20 is standard manufactured with 16 valves but it is possible to connect up to 250 valves to the computer, and this without costing you a fortune!

Measurement of individual fertilizer consumption

Thanks to precise flow counters you always have an exact control of how much fertilizer have been used from each stock solution tank. You as the grower can at all times follow that the dosing of fertilizer is correct, besides the computer provides you with various possibilities to fine-tune the dosing to as close to perfection as possible.

Individual settings and adjustment of alarms

The programming of the alarms is highly versatile and flexible, and you great control over what measures have to be taken in case of an alarm situation.

Datalogging and remote control via PC-program

The SG-M20 computer is standard supplied with a PC-Program that allows you to control and datalog the operation of the equipment from a PC. The PC program is highly user-friendly and easy to operate.

Electrical specifications

Supply for the SG-M20 machine is 3x400V A/C +/- 15% as standard. However we supply various configurations including 60 Hz equipment. 24v AC/DC outputs

Shipping

Volume: L x W x H: 120 x 80 x 160 cm.

Weight **without** pump app. 90 kg.