

AMI Completa Fertilizer Mixer with Irrigation Control

AMI *Completa* sets even more focus on the plants need for a precise fertilization and accurate acidity in the irrigation water and at the right time.

Easy to operate

AMI *Completa* fertilizer mixer is easy to operate with well-arranged menus shown on a large screen, a key board with 25 keys and a turn control knob.



- Advanced control of plant growth
- Flexible setup of irrigation groups
- Pre-programming of up to 10 recipes
- User friendly display
- Focus on the plant needs

Large capacity and flexibility

AMI *Completa* can control up to 8 groups with individual start conditions. To each group you can choose between 10 different recipes holding information about EC, pH and the fertilizer mix. Each group can control up to 29 valves which can be chosen freely between the 199 valves available today in the mixer. Up to 4 valves can irrigate at the same time which gives a maximal utilization of the capacity. Irrigation time and volume can be set individually for each valve.

Precise water control

In order to get the same water mix to all valves in the same group it is possible to mix more water sources and return water in ratio percentage. Depending on how much water is available in a basin the mixer automatically changes the mixing ratio.

Automatic filter cleaning

When using rainwater and return water the filters for incoming water can often clog. This can affect the water pressure and thereby the amounts of water lead to the fertilizer mixer. Automatic filter cleaning in the AMI *Completa* ensures rinsing of the filter when a certain water pressure loss is detected. The rinse is performed when the mixer is not busy with other activities. AMI *Completa* is equipped with the PP40 dosing pump, which gives a precise dosing at different levels in the stock solution tanks. The PP40 pump is working independently of flow and pressure.

Modern technology

When you buy an AMI *Completa* you get exactly the functions and the functionality you need. The software in AMI *Completa* is based on standard operating system and is easy to update and expand with more functions and larger capacity when needed. AMI *Completa* can be connected to one or more central PCs with the SuperLink central control program. AMI *Completa* can operate in the same network as DGT-Volmatic's 900 systems and can share data with the other units in the network.

Technical	
Supply Voltage:	3 x 230V/400V AC +10/-15% 50/60Hz (3 x 200V 50/60Hz, 3 x 208V 60Hz, 3 x 460V/1 x 115V 60Hz, 3 x 575V/1 x 115V 60Hz on request)
Power Usage:	Electronically max. 380VA, Pumps max. 40A (17kW)
Water Output min./max.:	3 - 30 m ³ /time, 3 to 8 bar (14 - 141 gal./min, 42 to 115 psi) or min./max.: 6 - 60 m ³ /time, 3 to 8 bar (28 - 282 gal./min, 42 to 115 psi)
Water Input:	2 to 7 bar (28 to 100 psi)
Fertiliser dosing pumps:	8 + 1 pH. 6,8 l/min. (1,8 gal./min.) solid state 24V AC 2A
Relay outputs for pump:	2 24V AC 2A
Irrigation valves:	8 (16) Potential free contacts 24V AC 2A
Alarm output:	2 Potential free contacts max. 42V AC 2A
Digital inputs:	16 Potential free contacts 24V, 10 mA
Analogue inputs:	8 (2 EC and 2 pH, 4 x 0-5V)
Analogue outputs:	2 0 - 10V, 5mA
Communication:	ARC-net with RS485 interface
Communication to EXP'er:	Exp-net with RS485 interface
Environment	
EMC Immunity:	DS/EN61000-6-1
Emission:	DS/EN61000-6-3
Physical	
Temperature, running:	0 - 50°C (32 - 122°F) without direct sun radiation
Humidity:	0 - 95% Rh without condensation
Proofing:	IP65
Dimensions LxWxH:	1030 x 850 x 1320 mm (41 x 33 x 52") With 2 pumps: 1150 x 1200 x 1250 mm (45x33x49")
Weight:	130 - 220 kg (286 - 485 lbs) With 2 pumps: 210 - 290 kg (462 - 638 lbs)

**Accessories: Expansion box EXP 356 - EC Sensor - EC Transmitter
pH Sensor - Sun cell SC21 - Dosing Pumps PP40**

AMI Completa control up to:	
• pH, EC sensor set	2
• Dosing pumps, fertilizer	8
• Dosing pumps, acidity	1
• Main pumps	2
• Valves	199
• Tanks, recirculation	8
• Recipes	10
• Groups	8
<i>Expansion to max functions requires one or more expansion boxes.</i>	
Program contents:	
• Irrigation on time or volume	
• Volume registration	
• EC control 2-8 stock solutions	
• EC control, relative, absolute or ratio	
• Mixing of fresh water and return water	
• EC depending on solar radiation	
• Automatic period with 4 time zones	
• 24 hour pause, fixed time or fixed interval	
• Manual start of individual valves	
• Pre and post rinse valve	
• Sun integrator	
• Drain control	
• Volume control	
• Analogue start	
• External start	
• Fixed time interval	
• Frost protection	
• 24 hour program	
• Week program	
Alarms	
• EC1/2 and pH1/2 min./max., absolute	
• EC and pH min./max., relative	
• Flow alarm	
Separate choice of units	
• Volume:	Liter, m ³ , gallon
• Flow:	l/min, 0m ³ /h, gpm
• Temperature:	°C, °F
• Irrigation time:	mm:ss, hh:mm
• Energy:	kJ, Wh

Specifications subject to change without notice.

AMI COMPLETA FERTILIZER MIXER GB03C

Distributor:

Head office:

Senmatic A/S

DGT

Industrivej 8 - DK-5471 Søndersø,
Denmark

Phone: +45 64 89 22 11

Fax: +45 64 89 33 11

dgt@senmatic.com - www.senmatic.com