



VA PENTA IRRIGATION CONTROLLER



For irrigation control

Highlights

- Advanced control of plant growth
- Flexible setup of irrigation groups
- User-friendly touch display
- Your language is available

Easy to operate

VA Penta irrigation controller is easy to operate with well-arranged menus shown on a large 10.1" touch screen.

Large capacity and flexibility

VA Penta can control up to 100 groups with individual start conditions. Each group can control up to 30 valves, and these can be chosen freely between the 200 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

To get the same water mix to all valves in the same group, you can mix more water sources and return water in ratio percentages. Depending on how much water is available in a basin, the mixer automatically changes the mixing ratio.

Automatic filter cleaning

When using rain water and return water, the filters for incoming water can often clog. This can affect the water pressure and thereby the amounts of water led to the fertilizer mixer. Automatic filter cleaning in the VA Penta 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.

Modern technology

When you buy a VA Penta, you get exactly the functions and the functionality you need. The software in VA Penta is based on a standard operating system and is easy to update and expand with more functions when needed.

SPECIFICATIONS / VA PENTA IRRIGATION CONTROLLER

Technical

Supply Voltage	100 - 240 V AC - 50/60 Hz
Irrigation valves	24 V DC, 0.5 A or 24 VAC, 0.5 A
alarm outputs	1 digital output 24 V DC, 0.5 A
Communication	ETHERNET
Communication to EXP	Powerlink on ETHERNET
Digital output	8
Digital input	8

Physical

Temperature, running	0 - 50° C (32 - 122° F) no direct sun radiation
Humidity	0 - 95 % Rh without condensation
Proofing	IP65
Dimensions L x W x H	440 x 330 x 160 mm

VA Penta controls up to

- Main pumps 2
- Valves 200
- Groups 100

Program contents

- Irrigation on time or volume
- Automatic period with 4 time zones
- 24 hour pause, fixed time or fixed interval
- Manual start of individual valves
- Sun integrator
- Drain control
- Volume control
- Analogue start
- External start
- Fixed time interval
- Frost protection
- 24 hour program
- Week program

Alarms

- Flow alarm

Accessories:

Valve box - Sun Cell SC21

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