gulf⁹
AUTOMATION

agriplas
PERFECT WATER MANAGEMENT SOLUTIONS

Gulf
850

Number of water systems:	Max 3
Fert dosing channels per water system	9
Acid dosing channel per water system	1
Irrigation pumps	9
Maximum valves	200
Flow meters per water system	1
Fert meters per water system	9
Start irrigation programmes	99
Valve Groups	99
Max. valve groups per start program	10
Number of valves per group	15
Dosing recipes	30
Number of demand trays	4
Weather station compatible	Yes
Pluviometer's reading	Yes
Control of sunrise and sunset time	Yes
Simultaneity of programs within the same water system	Yes

Fertilizer injection:

Ph and Ec Expansion card included	Yes
pH and Ec's readings	Yes
pH control	Yes
Ec control (Ideal or incremental)	Yes
Double pH sensor	Yes
Fertilizer dosing based on volume (total)	Yes
Fertilizer dosing based on volume (liter / m3)	Yes
Fertilizer dosing based on volume (discrete)	Yes
Fertilizer dosing based on time	Yes
Fertilizer dosing based on time (sequential)	Yes
Fertilizer volume control without fertilizer meter	Yes
Booster pump control	Yes
Fertilizer agitator / blower control	Yes
Differential Ec's increase control	Yes
Different dosing recipes on every valve group	Yes
Different dosing recipes for each phase of the group	Yes
Correction of ideal's CE by radiation	Yes

Irrigation types:

Irrigation duration based on time	Yes
Irrigation duration based on volume	Yes
Time activations	Yes
External activations	Yes
Sun radiations activations	Yes
Drain activations	Yes
Program starts depending on external analogue sensors	Yes
Number of external sensors by program	3
Link between different programs	Yes
Automatic correction of irrigation time based on radiation	Yes

Filters:

Number of filters automatic backflushing	20
Filters automatic backflushing	Yes
Start of filters backflushing with differential pressure sensor	Yes
Start of filters backflushing depending on accumulated irrigation time	Yes
Start of filters backflushing by accumulated irrigation volume	Yes

Water mixture:

Ec pre-control with 2 steps and 3 sources simultaneously	Yes
Different sources of water for mixing	Yes
Mixing recipes	Yes

Drains:

Drain control	Yes
Number of drain trays	Yes
Drain recipes	Yes

Alarms:

pH and Ec alarms monitor	Yes
Ph: 2 Alarm levels	Yes
Ec: 2 Alarm levels	Yes
Max. and min. pressure alarms	Yes
Water system external pause	Yes
Flow alarm	Yes
Rain, storm and frost alarm	Yes

Hardware / Software:

Free input and output assignment	Yes
Analogue inputs	Extendable
Possibility of hardware extensions	Yes
Analogue output control for fert.	Yes
Dosing and irrigation pump	
Control of analogue flow meter	Yes

Communication:

Communication with Pc	Yes
Sending SMS messages	Yes
Status information via sms	Yes
Possibility to activate irrigation programs via sms	Yes
Web app communication	Yes

iPhone

iPad