



# Gulf 800



|   |     |
|---|-----|
| Number of water systems:                              | 1   |
| Fert dosing channels per water system                 | 9   |
| Acid dosing channel per water system                  | 1   |
| Irrigation pumps                                      | 9   |
| Maximum valves  | 100 |
| 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                                | 15  |
| 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  | No  |
| 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 | No |
| Different sources of water for mixing                    | No |
| Mixing recipes   | No |

#### Drains:

|                       |    |
|-----------------------|----|
| Drain control         | No |
| Number of drain trays | No |
| Drain recipes         | No |

#### 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     | No         |

#### 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 |

