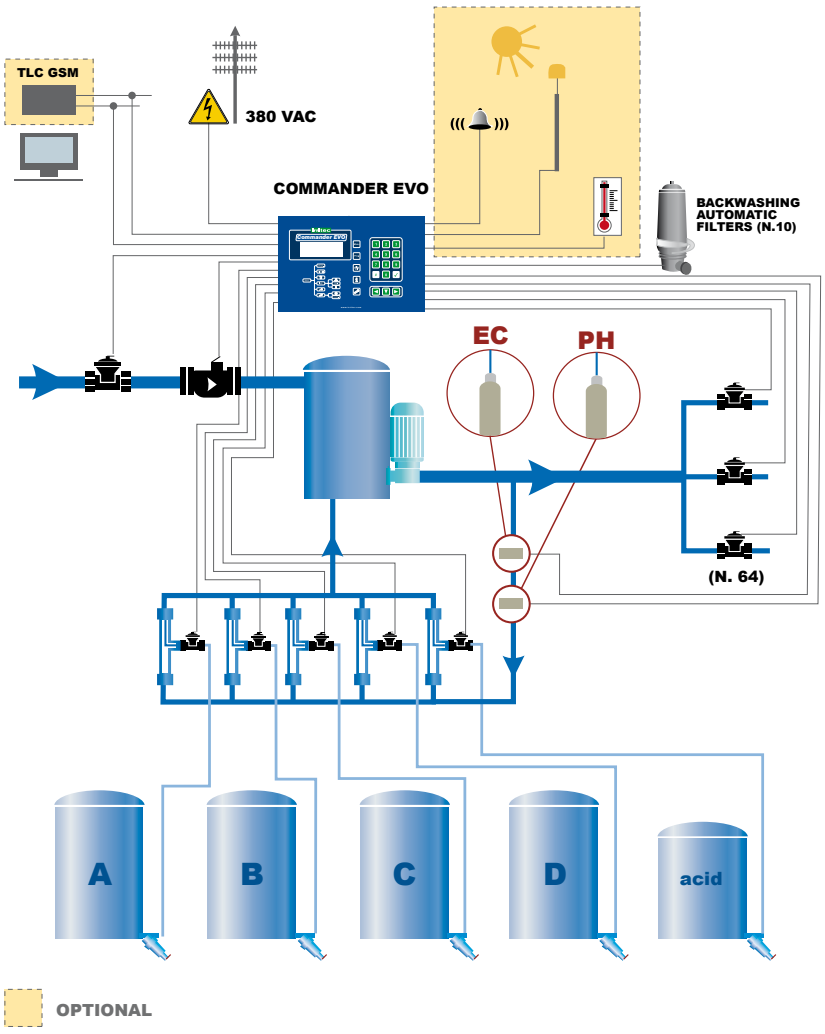
SHAKER SET®
FERTIGATION MIXER

IJSHK
ADVANCED FERTILISER DOSAGE SYSTEM

The Shaker Set is a unit for “target fertigation” designed by Irritec to offer a precise and reliable system capable of guaranteeing optimal development of the crops both in the ground and above the ground. The easy programming and the advanced functions of the Commander EVO programmer allow complete management of the irrigation system and ensure correct contribution of nutrients based on pH and EC values set by the user.

Precise and prompt response

The Shaker Set allows injection of up to 4 set fertilisers plus an acid for pH correction. Operation is simple: the required pH and conductivity values, and the percentages of fertiliser solution are entered (e.g. pH 6.0, EC 2 mS, 5% fert. A, 10% fert. B, 10% fert. C, 5% fert. D). The machine, using the information from the built-in pH and conductivity sensors, will inject the quantities of acid and fertilisers necessary to maintain water constant at the values set by the user. The availability of multiple fertigation recipes, one for each irrigation block, and the integrated self-learning system, allows the preparation of specific fertigation solutions for each section of the crop in minimal time.

Main functions:
- Dosage of two to four fertilisers with set modality
- Injection of correction acid
- Multiple fertigation recipes (one for each irrigation block)
- 20 independent irrigation programs
- Command by external sensors
- Backwash management of 10 automatic filters, timed or caused by differential pressure switch
- Pump or master valve command
- Inputs for rain sensor and analogue and digital sensors
- Stirrer management
- Can be interfaced with PC via software (optional)

Configuration
- 100 l mixing canister
- Up to 4 Venturi, high intake injectors with 500 l/h for fertilisers
- Up to 1 Venturi, high intake injector with 350 l/h for the acid
- Specific solenoid valves for use of acid and fertilisers
- Compact, stainless steel structure: 80 (L.) x 120 (h) x 80 (D.)
- Commander EVO GOLD Programmer
- Integrated electric pump
- Conductivity probe
- pH electrode
- Power supply: (3 P+N+E) VAC 50 Hz