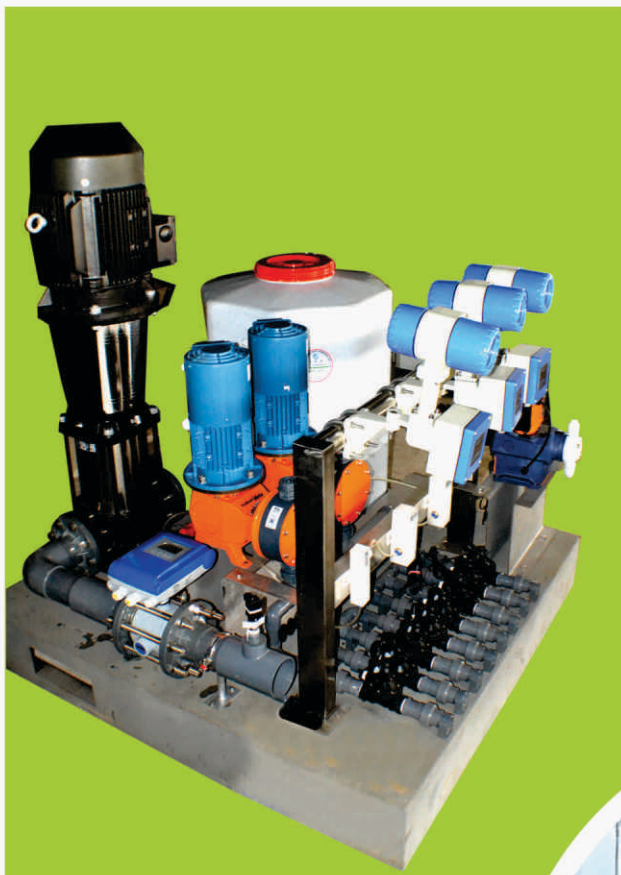


The logo for prospex, featuring a stylized orange and yellow starburst graphic to the left of the word "prospex" in a lowercase, sans-serif font.

# ***FertiPlus™***

....."your right fertigation partner"





**Ferti Plus** - a smart fertigation system which focuses more on the plants requirement on hourly basis, it provides a precise fertilizer injection and accurate pH control in the irrigation water, its smart automation software can control irrigation and fertigation based on environmental and agronomical needs. It is very easy and user friendly to operate.

#### Product Range

Packaged **Ferti Plus** kits available from 10m<sup>3</sup>/hr - 75m<sup>3</sup>/hr.

We also provide SCADA based automatic irrigation and climate control system for corporate farms & green houses

Custom made also available for specific requirements

#### Applications

Green house, Hoop house, net house, open field soil and soil less growing

#### Comparison Chart

Conventional injection systems	<b>Ferti Plus™</b>
Venturi based injection	Metering pumps are accurate and reliable
Venturi is injection is controlled by solenoid valves (solenoid coils may fail frequently)	Dosing pumps are controlled by industrial VFD (variable frequency drive)
Poor quality sensors EC & pH	We are using industrial grade sensors
Venturi may choke frequently	Chocking is low due to metering pumps
Upgradation and modification is not possible in microprocessor	PLC based systems can be upgraded and modified based on clients requirements
Trouble shooting and maintenance is very complex in microprocessor.	Comparatively easy to trouble shoot & to maintain
No pressure sensor available	Pressure sensor to maintain pressure & to avoid damage in irrigation lines

#### Salient Features

◆ PLC controlled with high colour touch screen HMI ◆ Solar radiation based irrigation ◆ Highly flexible for future expansions ◆ Customised valve grouping based on client requirement ◆ Rittal IP 66 enclosures ◆ SS 304 base frame ◆ Auto EC control based on plant growth stages ◆ Low level alarm for stock tank ◆ Emergency stop and alarm for safety ◆ Can be interlinked with DCS through LAN ◆ USB port for data storage and transfer ◆ Motor dry run protection ◆ VFD for all main & metering pumps ◆ Weather control interface

◆ Electro magnetic flow meter for flow based irrigation\* ◆ Frost protection\* ◆ UV / H<sub>2</sub>O<sub>2</sub> disinfection system\* ◆ Can handle upto 4 recipes\* ◆ Return recycling system\* ◆ Soil / media moisture based irrigation\*

\* options provided on request