

Irrigation systems

Field crops systems

To irrigate field crops, beside traveller and pivot, are utilized even permanent systems with underground or over ground hydrants. For vegetables or orchards are used even installations with mini-sprinklers and PE pipes over ground.

Pivot systems

The irrigation system with pivot offer productive advantages in the irrigation of various cultivated areas for crops, size and shape, and in simple daily operation. The main focus is on an increase of yield and on decrease of working time. The offer to choice the best solution is very wide: center pivot fixed or towable, linear systems with channel taking or from fixed hydrants.

Drip irrigation systems

Drip irrigation as localised irrigation system, is recognised by a water emitter near the roots, with low flow and pressure, and a long watering time with short cycles.

Why to invest in this kind of system

- Low water amount required;
- Water distribution uniformity;
- Dry ground between row;
- Environmental control of the root area;
- Better disease control;
- Useful on morphological difficult land;
- Useful on granulometric hostile soil;
- Programmed fertirrigation;
- Better salt tolerance;
- Energy saving;
- Reduction of manpower costs;
- No obstacle for mechanical operation on plants;
- Automatisation and control through the complete irrigation cycle.

Drip irrigation on vineyards and orchards

Drip line normal or pressure compensating (constant flow at pressure variations) and CNL system (start functioning at the same time of all drip emitter on the same line).

Sub irrigation

Sub irrigation with drip line buried 20cm underground, with the advantage of free operation along vineyard and orchard rows, to protect the drip line from external actions and increase the quantity of water utilised by plants.

The drip line is buried with a special tool for direct burying.

Microirrigation

The microirrigation is characterised by a localised irrigation near the root area, by low flow and pressure, by a long watering time and short cycles.

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- Water distribution uniformity;
- Environmental control of the root area;
- Better disease control;
- Useful on morphological difficult land;
- Useful on granulometric hostile soil;
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Drip irrigation

Button dripper normal or pressure compensating (uniform flow at pressure change) and CNL system (start functioning at the same time of all drip emitter on the same line). Water emission prefixed or changeable according with unitary needs.

Head greenhouses group made up of pressurized tank, computer for irrigation and fertigation control through electric valves.

Parks

The large green areas, as public parks, areas from ecologic recovery as waste places and quarries, landscaping areas, industrial or commercial areas, require an irrigation technique according with the purpose of use of that area, a very simple system and therefore a preliminary well done study for an economic management.

A particular attention is due to the irrigation of turf areas on and beside roads and highways, where it needs a precision irrigation in order don't go out of border and to create possible traffic problems.

Garden

The garden irrigation, were you can find various environmental situations characterized by the presence of plants much different and very costly, require, to obtain good results, a very large experience from the designing to the execution to satisfy at the best, the water needs of turf area, flower beds, hedges, shrubs and trees with different essences. A proper irrigation only can maintain the health and the beauty of the garden.

It is therefore very important a technical assistance from the first stage of design, a diligent installation and a final setting for sprinkler, electric valves and controller.

Sport fields

For the sport fields it needs to temper the needs of a optimal irrigation for maintaining the turf. and the minimum encumbrance in the field for a maximum free running in the field for the players.

The specific fields for a single sports as athletic, football, baseball, rugby, hockey and tennis are requiring a right positioning of sprinklers that are in the meantime designed for this particular irrigations.

Fountains and water plays

The setting up of public fountains and water plays it needs a very careful design according with the environmental of the fountain itself, design that Irrigazione Veneta is carrying out in collaboration with specialised architects, for the maximum relief for monuments o just to create a pleasant place.

The wide availability of nozzles and underwater lights allow to create scenery effects as it likes

For small dimension ponds the water is maintained clean by oxygenating nozzles equipped with filters and electric UVA bulbs anti algae.

Swimming pools

Dismountable pools

For season use particularly suitable for medium size garden and for reasonable expense Irrigazione Veneta can furnish pools in kit for an easy outdoor do-it-yourself assembly, completed with accessories for maintenance and cleaning and instructions for installation and use. It is available e wide range of models with dimensions from 2 m diameter to 8x5 meters.

Permanent pools

The buying of a swimming pool is an important decision that require to evaluate the installation and maintenance cost. The technological innovation of the swimming pools proposed by Irrigazione Veneta permit a save of over 30% of the installation cost, compared with traditional techniques. Irrigazione Veneta is able to supply a free design to help you to chose the right pool among thousand and more options.