LOCALIZED IRRIGATION...

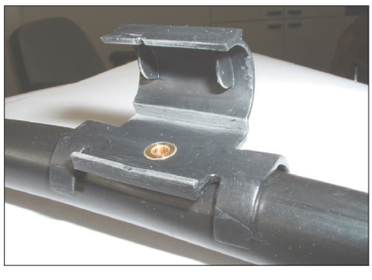
A reliable and optimized system

A process born from a long experience:
Spray-lines equipped with gauged-fits offer a significant improvement to localized irrigation.
This technology was developed by professional engineers from the "Compagnie du Bas-Rhône et du Languedoc (BRL)" after twenty years of experimenting in irrigation, the establishment and exploitation of hundreds of thousands of hectares in France and the world.
Facilities have been working perfectly for more than 15 years in hazardous weather conditions (salt water, high temperatures, corrosive conditions) in Tunisia, Morocco, Saudi Arabia, Syria, Libya, Yemen and Benin.

An irrigation system more effective than traditional ones

Localized irrigation using DRIPLI® system is well adapted to perennial row crops and especially fruit growing. Users say that the advantages are various :

- Water saving: water is directly and exclusively brought to the roots.
- Power saving: 0,5 to 1,5 bar working pressure is enough.
- A good ground stability: no more soil pressure due to sprinkling or submergence.
- A stress free management of farm works : Spaces between rows remain dry and passable.
- A more effective health protection on foliage :
  Phytosanitary products are not washed by the irrigation.
- Fertilization is made via the irrigation system.



DRIPLI® system key benefits:

Drip irrigation requires low water flow (2 or 4 l/h). Thus water must be of a high physicochemical purity, a very rare quality in normal state environment. The drip irrigation system also requires sophisticated and costly water filtration equipment that are unable to eliminate disbanded materials and silt.
The large diameter of the fits, combined with a special metal forming, is very efficient against fill-up, and only necessitates a basic water filtration (recommended grid size: 360 microns).

irrifrance
The optimal solution

WITH DRIPLI® SYSTEM

DRIPLI® SYSTEM :
A HIGH FLEXIBILITY IN IRRIGATION MANAGEMENT

Gauged fits offer a wider range of water flow (25 to 100 l/h) than drip irrigation. They enable:

- A significant dampening of soils, and a strong recovery of plantations made during dry season.
- Immediate re-formation of the wet bulb (volume of wet soil) in case of a lasting interruption of irrigation.
- Possible washing of saline soils (without any other method).

Technical specifications of the BAS-RHÔNE System

- Black polyethylene spray-lines with various diameters (18x20 to 29x32 mm), with dispersal tubes called brass fits and protected by an anti-splash locking ring.
- Precision built metal machining: 1/100 mm.
- Filtered with a stainless steel straining screen (size 360 microns).
- Resistant to filling-up with saline or calcareous water.
- Adjustable water flow (25 to100 l/h pressure 0,5 to 1,5 bar).
- Flow uniformity from one end of the line to the other, no matter the size of the pipe and the kind of ground, by changing fits gauges among the different rows (computer optimized).
- Water flow independent from temperatures.
- Minimum maintenance: Filtered with stainless steel straining screen

Adaptive use of the system

- Possible fertigation, even with soluble granular fertilizer.
- Soils desalinisation.
- Adaptability to any soils and any crops.

A very simple process, heavy-duty equipment, multipurpose, cost effective and perfectly adapted to modern farming needs:

- No risk of filling-up
- Easy filtering
- High reliability and low maintenance
- Homogeneous distribution of water
- Large volume of wet soils
- Water and power savings
- Eventual soil washing
- Perfect for automation and fertigation

This system is very well designed for reuse water application.

To choose the optimal solution for your agricultural project,
call the Irrifrance project design department
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The optimal solution