



as italian tecnologia in
agriculture irrigation



1974 Beginning year of Siplast activities

1979 Beginning year of Irritec activities

4 Factories in Italy

8 Companies in the World
(Spain, Mexico, Turkey, U.S.A.)

18 Direct commercial
and representative presences

400 Employees

3 Storages in Italy



Some informations about:



Certificato N°: 435
Norma: UNI EN ISO 9001:2000
*Attività: Progettazione e produzione di
raccordi ed accessori in materie plastiche
per idraulica, irrigazione e giardinaggio.
Commercializzazione accessori.*





Some informations about:

QUALITY SYSTEM

From **1995** Quality System Certificate UNI EN ISO 9001:00

From **2003** Environmental Certificate UNI EN ISO 14001:96

PRODUCT CERTIFICATE

From **1988** PE HD Pipes for fluids under pressure UNI 7990

From **1998** PE Pipes for gas UNI ISO 4437 + D.M. 11/99

From **2002** PE HD Pipes for fluids under pressure UNI 10910

From **2004** Irrigation Systems - Dripper and Dripper lines ISO 9261





Regulation ISO 9261 irrigation systems - dripper and dripper lines

DEFINES:

- Discharge uniformity
- Discharge characteristics related to the working pressure
- Thickness
- Diameter
- Spacing
- Environment T° and high T° (40°C) idraulic pressure resistance
- Tension resistance
- Compression fitting unthreading resistance

FIRST MANUFACTURERS TO BE CERTIFIED IN ITALY AS THIS NORM

High tecnology for the highest quality

RESEARCH



DEVELOPMENT



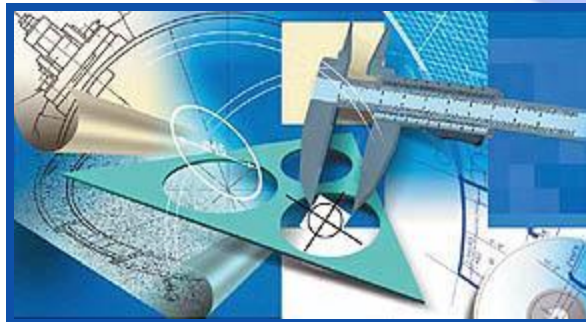
PRODUCTION



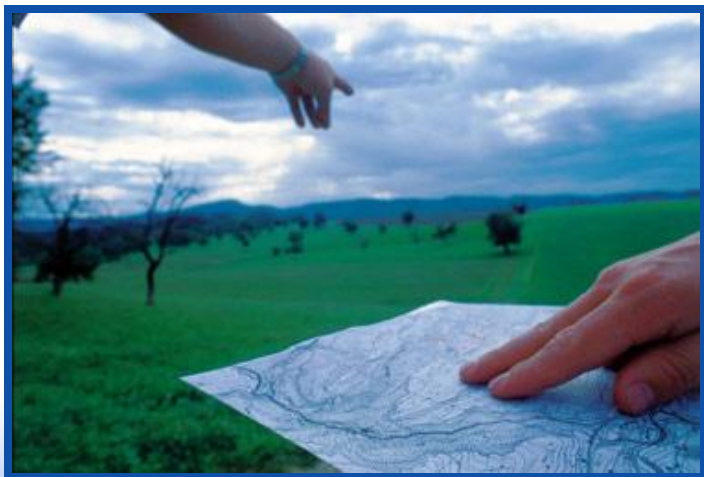
SURVEY



DESIGN



FARMER'S VISIT



POST SALE ASSISTANCE



ALWAYS BY YOUR SIDE



OUR PRODUCTS

- **Dripper lines**
 - Normal
 - Pressure compensated
- **Subsurface Irrigation System (S.D.I) - Rootguard®**
- **Capillar system**
- **PE Pipes**
- **Micropipes**



OUR PRODUCTS

- **Fittings**
- **Clamp saddles**
- **Filters**
- **Drippers, Microjet, Stakes**
- **Valves**
- **Boxes, Manifold accessories**
- **Various accessories**



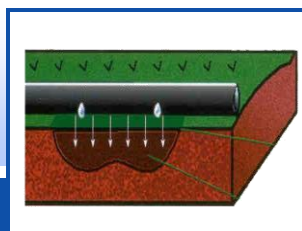
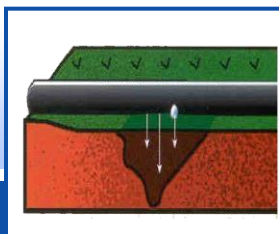
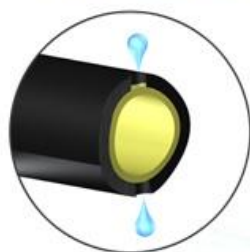
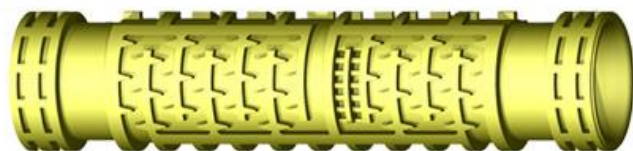
PE Pipes:

- Are manufactured with prime quality virgin material
- Available from 16 to 315 mm in the following materials:

LOW DENSITY

HIGH DENSITY

- Available in the following nominal pressures: PN2,5 - PN4 - PN6 - PN10 - PN16 - PN20 - PN25 - PN32
- All materials are compatible with use in potable water and gas system.



Mono® - Tandem®

- Self cleaning labyrinth dripper with turbulent flow and incorporated filter
- Six holes of Tandem reduce percolation increasing the watered area.

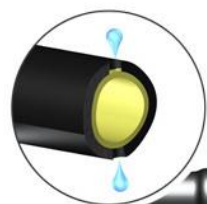
• Two diameters Two thickness and 9 different flow rate

16 mm	1,1	1,5 - 2,1 - 4,0 - 8,0
20 mm	1,2	1,7 - 2,2 - 3,8 - 7,0 - 15,0

By request dripline is available with groups of drippers



FOR EACH APPLICATION ITS DRIPLINE



Junior[®]

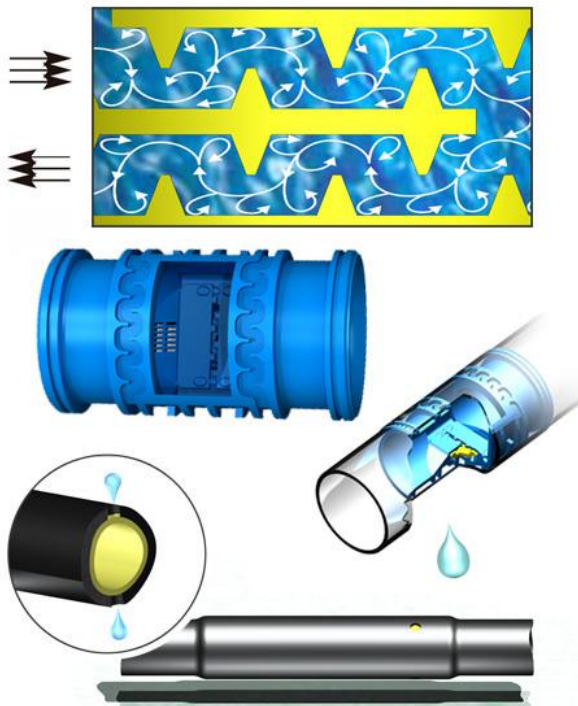
- Compact self-cleaning dripper (3,5 cm) with turbulent flow labyrinth and incorporated filter
- The low variation coefficient (CV) allows higher flow rate uniformity and longer branch lengths

• **Two diameters** **Two thickness** **Two flow rate (l/h)**

16 mm **35 mil (0,9)** **2,1 - 3,6**

20 mm **44 mil (1,1)** **1,6**

By request dripline is available with groups of drippers



Multibar[®]

Pressure compensating dripline

Pressure compensating ,self-cleaning dripper with turbulent flow labyrinth and incorporated filter

- The high quality silicone diaphragm secures an uniform flow rate from 5 to 40 m. It can be used with big differences of level
- Multibar guarantees extreme precision in fertilizer dosages in every system part and also in every topographical situation



•Two diameters	Two thickness	Eight Portate (l/h)
16 mm	1,1 mm	1,6 - 2,1 - 2,9 - 3,8
20 mm	1,2 mm	1,6 - 2,1 - 2,9 - 3,8



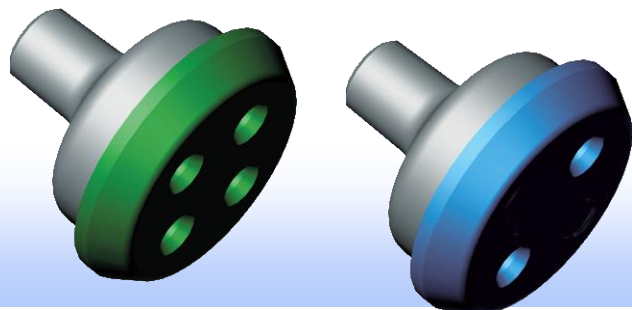
TYPICAL SOIL WHERE THE USE OF MULTIBAR DRIPPER LINE IS NECESSARY



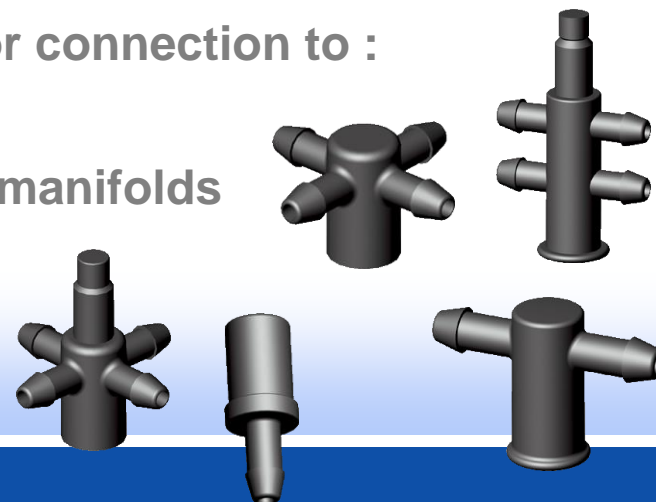
MULTIBAR WHEN YOU NEED MAXIMUM UNIFORMITY



iDROp
PC



- Last generation dripper
- Turbulent flow: Clogging resistant
- Pressure compensating: from 6 to 50 m.w.h
- Flow rates : 2.2 - 3.2 - 4 - 6 - 8 l/h
- The color of the base identifies the flow rate
- Available with Drop-Stop system (no-leakage)
Open-P : 4 / Close-P : 3
- Outlet suitable for connection to :
 - Micropipe
 - Multi-outlet manifolds



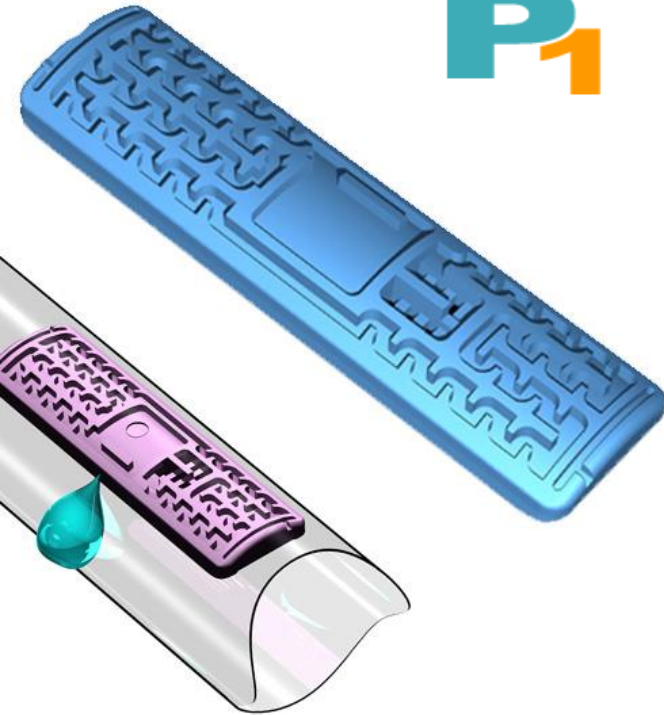
iDROp
PC





P₁

Thin-walled dripline



- Flat self-cleaning dripper with turbulent flow labyrinth and incorporated filter.
- The small dripper thickness grants minimum pressure losses.

Inside diameter 16,1 and 22,2 mm.

Seven different thickness:

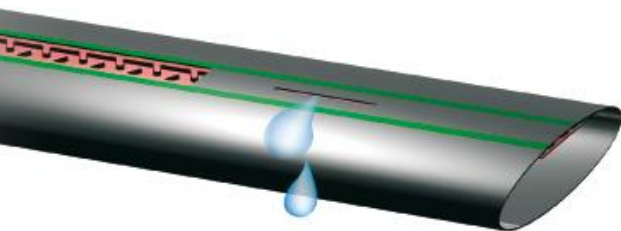
8 - 10 - 12 - 15 - 18 - 24 and 35 mil

Three types: 1,0 - 1,4 - 2,2 - 4,0 lt./h

Minimum package to reduce transportation costs.

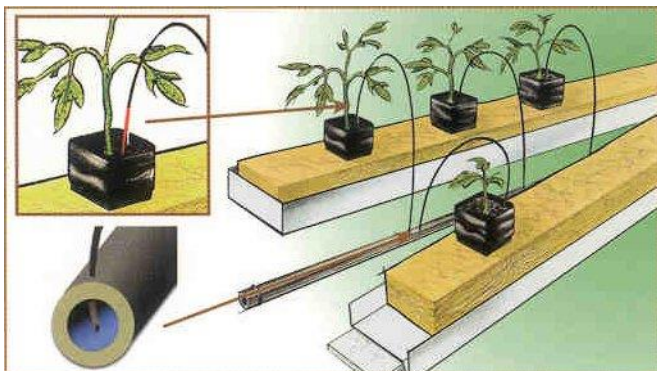


*i*siplast **TAPE**



- Low working pressure from 3 m
- High quality material: high working resistance
- 10 cm Emitters spacing
- High quality labyrinth for high uniformity distribution
- Long lines with high uniformity
- High clogging resistance:
 - Inlet filter
 - Turbulent labyrinth
- Emission point cut by laser
 - No clogging problems
 - No root intrusion





CAPILLAR SYSTEM

- Available in the following diameters: Outside 2,5 and 3,2 mm. Inside from 0,6 to 1,5 mm.
- Made of low density PE
- Monitoring of inside \varnothing by laser technology
- Inside \varnothing tolerance $\pm 0,01$ mm
- Coextruded in different colors according to the outside \varnothing for an easier identification.
- Standard package in reels or 45° cutted pieces (max. 1 Mt long).
- By request is supplied assembled with PE pipes 16 - 20 - 25 mm at different length and spacing



FOR EACH APPLICATION ITS DRIPLINE



CONNECTO

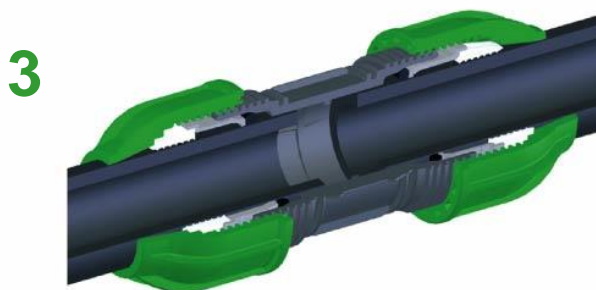
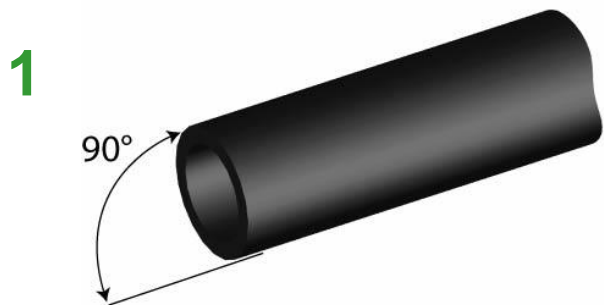
Compression fittings



- Diameters: 16 to 110
- Wide range of figures
- Right price/quality balance
- Manufacture with atmospheric resistant materials.



CONNECTO





Quick joints PN 4

The grip nut guarantees seal working with high pressure or using pipes out of tolerance

- Five diameters: 16 - 20 - 25 - 32 - 40 mm
- Wide range of figures
- Right price/quality balance
- Manufactured with atmospheric resistant materials.





Dripline fittings

- **Three different pipe grips:**

With closing nut for max security

With expansible closing ring

Barbed fitting

- Three diameters: 16 - 17 and 20 mm
- Suitable for use with most driplines available in the market.
- Wide range of figures
- Manufactured with atmospheric resistant materials.





Tape fittings

- The most complete range in the world.
- Four different diameters: 9,5 - 16 - 22 - 35 mm
- Wide range of figures
- Suitable for pipe thickness from 4 to 25 mil
- With closing nut for maximum security and easier assembly
- Suitable for use with most Tape available in the market
- Manufactured with atmospheric resistant materials.





Hose carrying fittings



- Manufactured with prime quality virgin material to be proof to atmospheric agents.
- The special grip system guarantees a perfect mechanical and hydraulic seal.
- Ten different diameters:
 - 16 - 20 - 25 - 32 - 36 - 40 - 50 - 63 - 75 - 90 mm
- Wide range of figures.



Clamp saddles



- Clamp saddles to connect PE or PVC pipes
- Suitable hole dimension for minimum pressure loss.
- Galvanized steel bolts
- NBR gasket
- Twelve different diameters from 20 to 160 mm
- Manufactured with atmospheric resistant materials.



Threaded fittings PN 10

- High pressure resistance (Pn 10)
- Conic threads according standards ISO 7/1
- Suitable for alimentary fluids
- With steel ring on female threads over 2"
- Manufactured with atmospheric resistant materials.





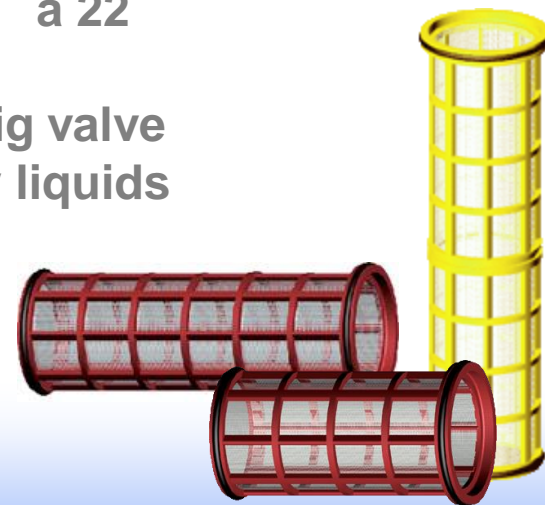
Tee filters

- On line
- Diametri: da 3/4" a 3"
- Rete - Inox
- Poly

Dischi:

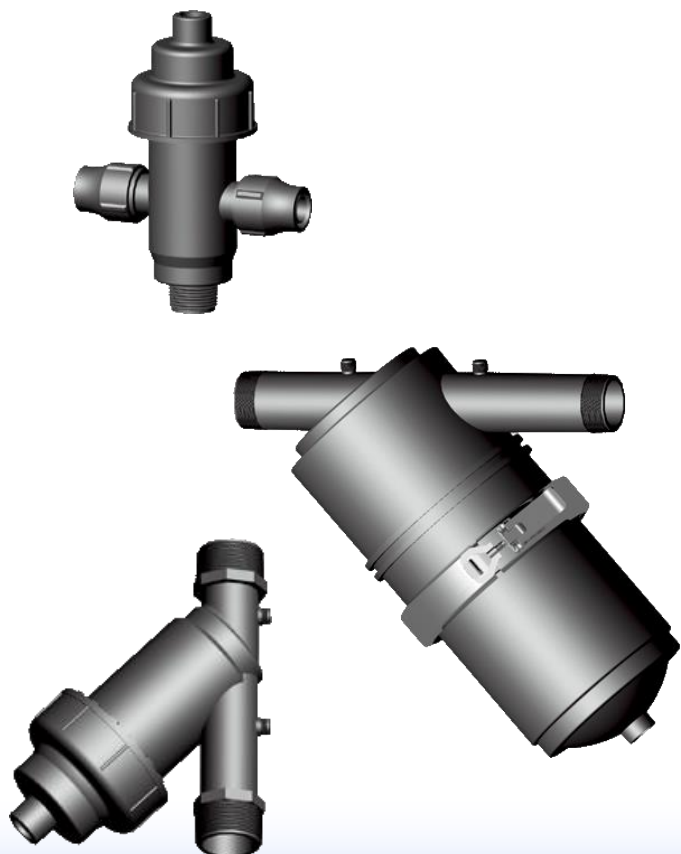
- Mesh da 20 a 450
- Micron da 800 a 22

- On demand with flushig valve
- suitable for alimentary liquids





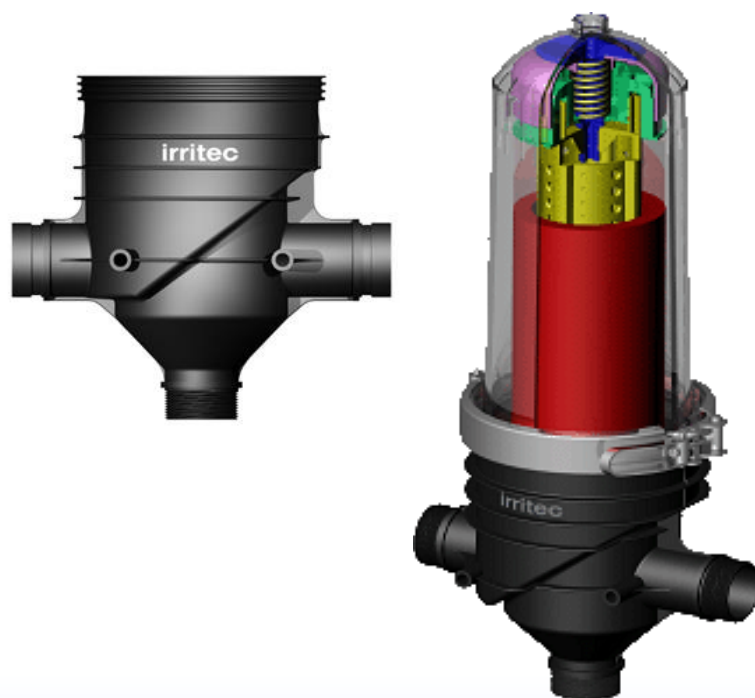
On line filters



- Size : From 3/4" to 3"
- Cartridge: Stainless steel, polyester, disk
- Mesh size: Full range
- Flow rate: from 5 to 50 MC/H
- Maximum working pressure: 8 bar.
- By request can be supplied with Discharge valve.
- Suitable for alimentary fluids



Automatic disk filter “Rotodisk”

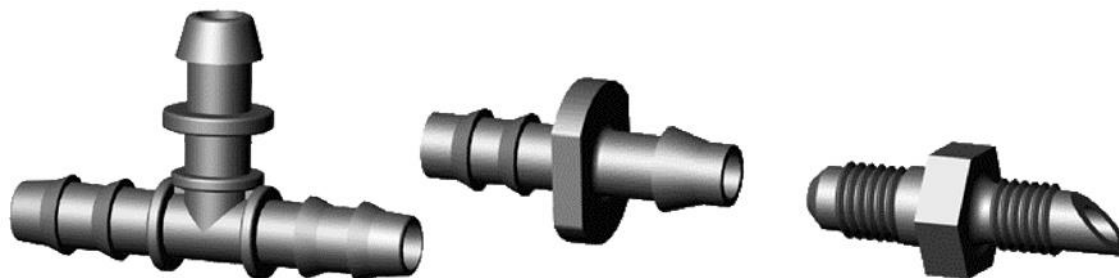


Back-washing system:
tangential sprinklings of
water clean and wheel disks
generating a centrifugal
power which eliminates
particles.



Micro fittings

- Several solutions to connect micropipes to main lines
- Suitable for PE or PVC micropipes
- Manufactured with atmospheric resistant materials.





Commun Drippers



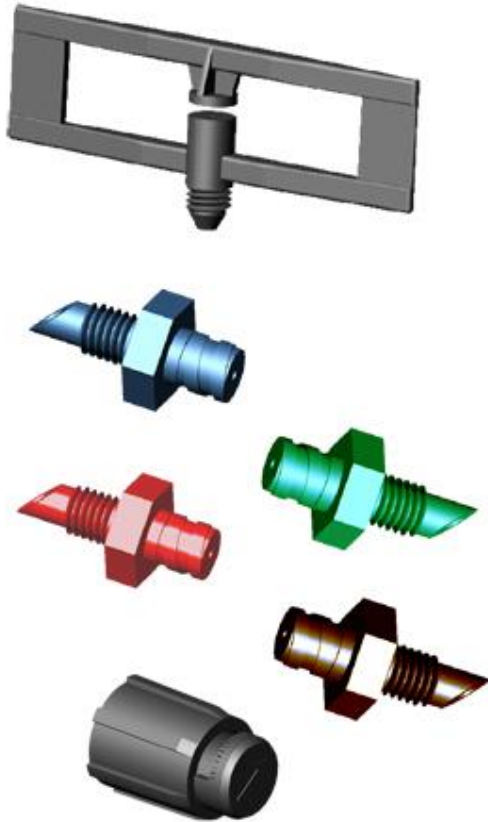
- Normal inspectable drum dripper
 - Turbulent self-cleaning flow labyrinth
 - Four different types: 2 - 4 - 8 - 15 l/h
 - Suitable to connect to micropipe
- Pressure compensating inspectable drum dripper
 - Turbulent self-cleaning flow labyrinth
 - Silicon compensation membrane
 - Two different types : 4 - 8 l/h
 - Adjusting range from 5 to 40 m
- Normal inspectable dripper with hook
 - Laminar flow labyrinth
 - Three different types: 4 - 8 - 15 l/h
 - Hook connection



Stakes

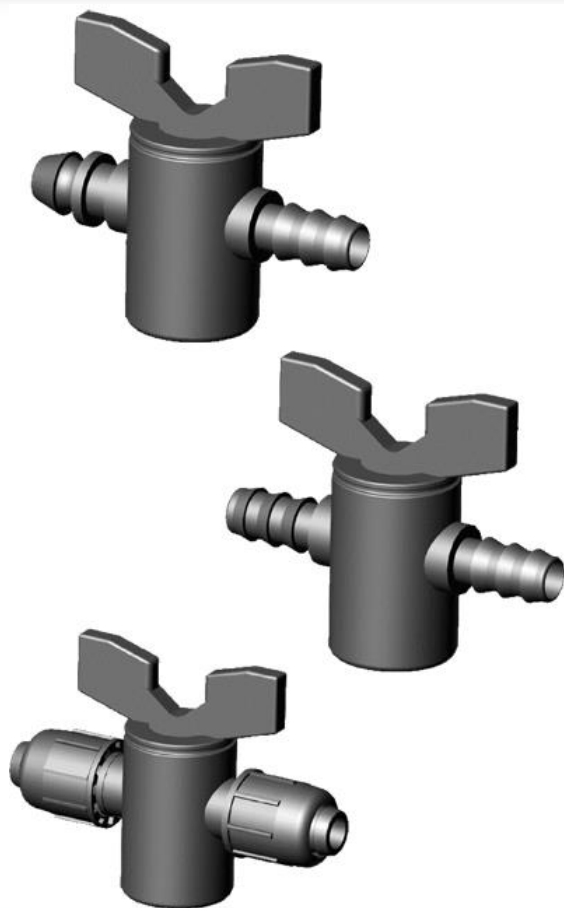


- **Dripper Stake**
 - Turbulent self-cleaning flow labyrinth
 - Flow rate 2 l/h
 - Suitable for micropipe I.D. 3,0 mm
- **Spring Stake**
 - Flow rate 25 l/h
 - Suitable for micropipe I.D. 3,0 mm
- **Stake for micropipe**
 - Suitable for micropipe O.D. 5,0 and 6,0 mm
- **Stake for capillaries**
 - Suitable for capillary O.D. 2,5 and 3,2 mm
- **Stake for capillaries two holes**
 - Suitable for capillary O.D. 2,5 and 3,2 mm



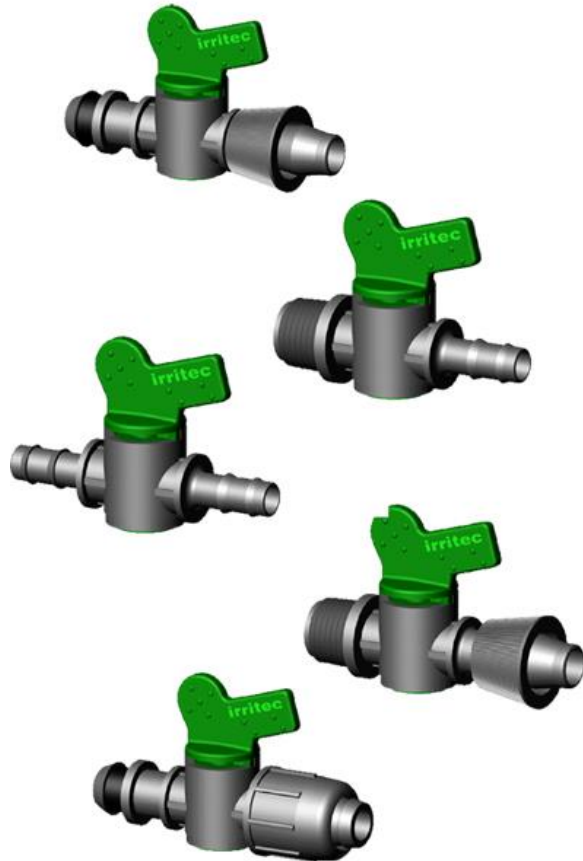
Microjet

- Two pieces Microjet
 - Flow rate from 39 to 130 t/h
 - Two types: 180° e 360°
 - Thread for 4 mm hole or pipe
- Butterfly sprinkler
 - Flow rate from 60 to 350 l/h
 - Single version 360°
 - Three connections:
 - push-in - threaded
 - push-in/threaded



Rabbit cylinder valves

- Twenty types for every need
- Inside way 13 mm
- Four gaskets
- Bi-directional
- Max working pressure 8 bar
- Manufactured with atmospheric resistant materials.



Compact cylinder valves

- Small size for volume reduction
- Ten different types
- Inside way 9 mm
- Two gaskets
- Bi-directional
- Max working pressure 6 bar
- Manufactured with atmospheric resistant materials.



Mini ball valves

- Small size for volume reduction
- Four different types
- Inside way 9 mm
- Three gaskets
- Max working pressure 6 bar
- Manufactured with atmospheric resistant materials.



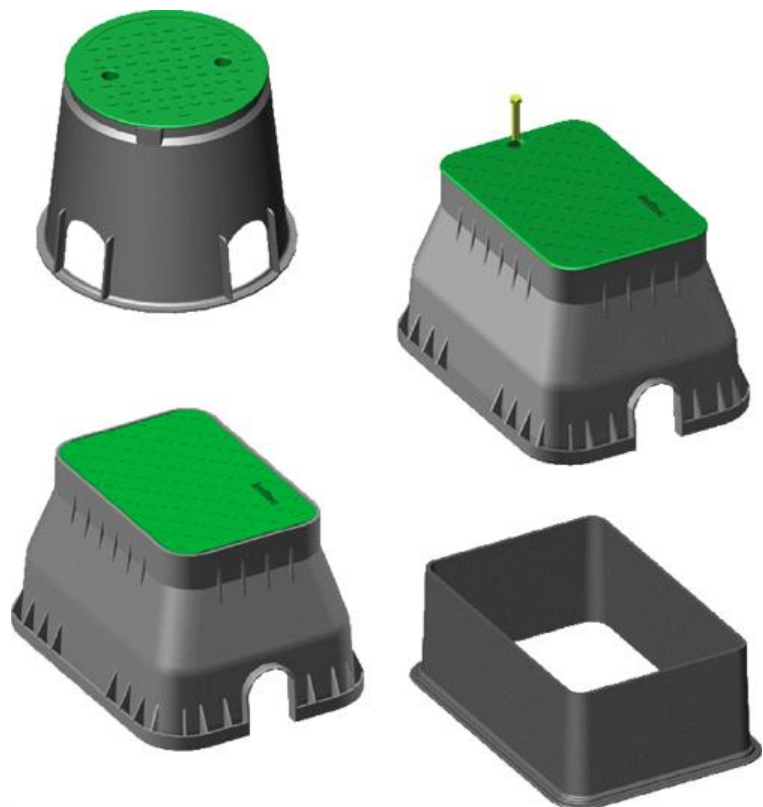


Ball valves

- Two types: Single and dual nut
- Two connections: female/female and male/female
- Five different diameters: 3/4" - 1" - 1 1/4" - 1 1/2" - 2"
- Four gaskets
- PN 10
- Manufactured with atmospheric resistant materials.



Valve Boxes



- High mechanical resistance
- Four Models: Mini - Large - Standard - Jumbo
- Three extensions available for Standard and Jumbo
- Green cover UV ray resistant
- Stainless steel closing bolts (Standard and Jumbo)
- Manufactured with atmospheric resistant materials.
- Pallet package for easier carriage



Various accessories

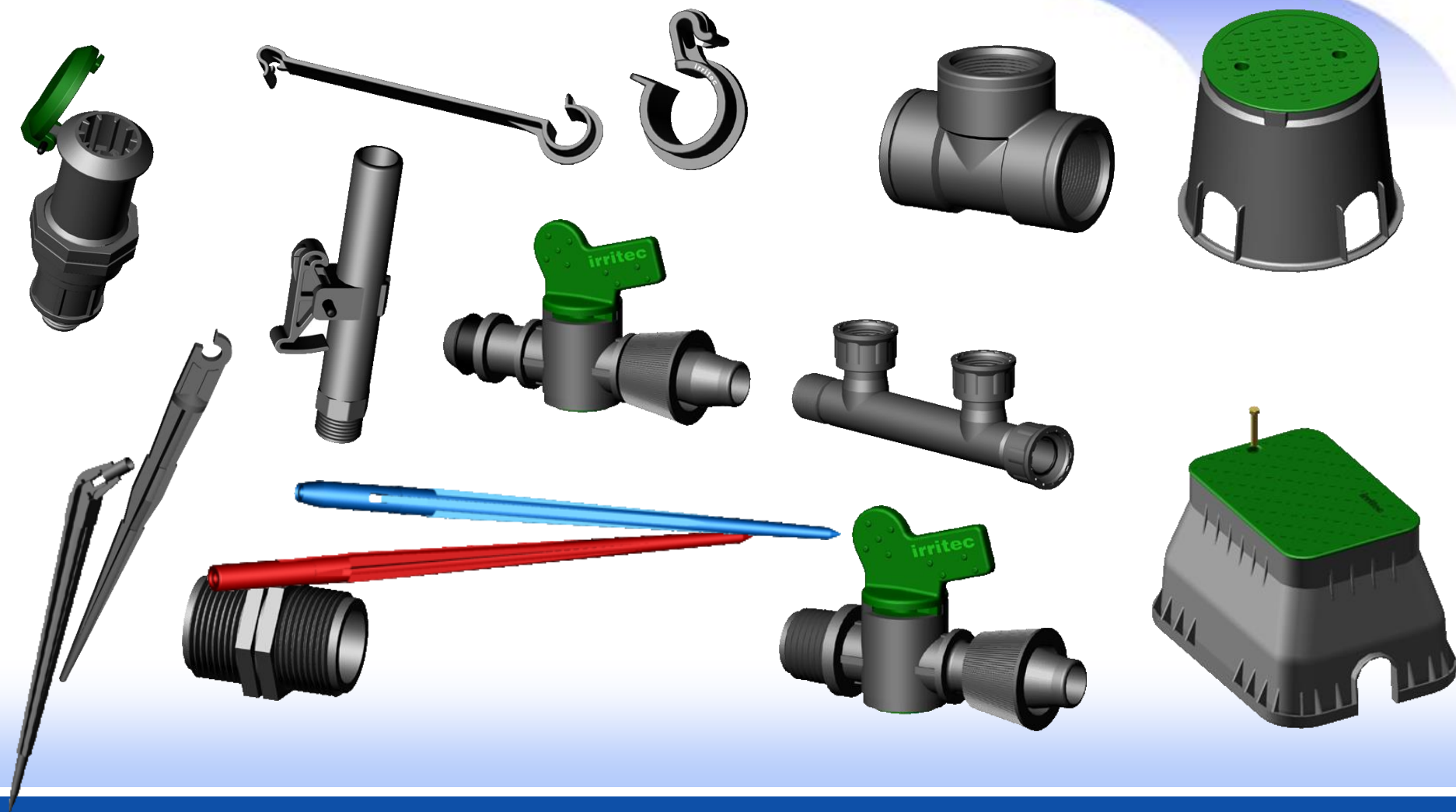


- Hooks
- Spikes for driplines
- Supporter Hook for dripline
- Hole Puncher
- End clamps



Water Stop Hook







Storain



Controller



Valves



Pop-up

Accessories



Slorain



Controller








Valves





Pop-Up

Pro 5500	18"-32"	
Pro 6000	30"-51"	
Pro 6500	44"-60"	
Pro 7000	46"-64"	
Pro 7500	53"-74"	



WE INVITE YOU TO VISIT OUR WEB SITES:



www.siplast.it

www.irritec.com

www.subirrigazione.it

www.irrinet.it

www.dontwait4rain.com





thank you for your attention...

dont'wait for rain

