

AGRICULTURE



Mediterranea Commerciale





FILTRATION



AUTOMATIC SCREEN INOX FILTER

Latest generation automatic filters with cleaning mechanism driven by electric or hydraulic motor designed to work with various types of mesh with filtration levels from 800 to 12 microns, available with inlet/outlet connections from 2" to 14". Filtering surface from 1000 cmq to 51000 cmq. Equipped with two prefilters, one larger to protect the cleaning mechanism from large debris and a fine mesh to remove the smaller debris. The waste collect on the internal surface of the fine mesh.



DISK AND SCREEN FILTERS

The mono-cartridge Y series filter is designed for agricultural applications as a safety or head filter particularly for the removal of inorganic particles, where a medium level of filtration is required.

SCREEN FILTER

DISK FILTERS



MS DISK FILTERS SERIES

MATERIALS: Polypropylene structure and cover in polypropylene – pin (disk support) – polypropylene disk.

FILTRATION LEVEL: 120 mesh.

The filters are designed in accordance with vortex system: helical effect produced by deflector lugs at the base of the cartridge, that rotate projecting the heavier particles against the cover of the filter, thereby reducing the cleaning frequency to a minimum.

DOUBLE BODY MODULAR FILTRATION SYSTEM

DISK FILTERS SERIE MS

DOUBLE BODY MODULAR FILTRATION SYSTEM

MATERIALS: in polypropylene.

FILTRATION LEVEL: from 25 to 200 micron.



Y SERIES VORTEX FILTERS

Made by an extra-resistant epoxy and polyester protective layer. The filters are previously subjected to a de-oxidant, acid phosphating chemical treatment as an additional anti-corrosion protection. Maximum recommended operating pressure: 8 bar. Thickness of metal part: 3 mm. Horizontal inlet and vertical outlet.

Diameters: from 2" to 4"

VORTEX FILTERS IN POLYPROPYLENE

Diameters: 2" – 2" 1/2 - 3" made in polypropylene to be more resistant to the chemical components.



FILTERS QUARTZITE UNITS

The quartz sand filter is particularly suitable in the presence of water rich in organic substances and microorganism, typical of surface water such as canals and lake. The filtering capacity is proportional to the average granulometry of the quartz sand (0.8-1.2 mm) or the grit (crushed silica) and the concentration of the suspended solids in the water (T.s.s.) measured in mg/l or p.p.m. (1 mg/l = 1 p.p.m), able to give indication of the type of water to be treated.

BACKWASHING PROGRAMMER

From 2 to 6 filters with stand by. Power: in 230V-12V DC out 12V DC. Available also with solar panel.



FERTIRRIGATION



FERTIRRIGATION KIT

Tanks with different size and shape with agitator, electronic panel and dosing pump installed.

FERTICONTROL Basic (in line)

Fertirrigation machine designed to the electronic control of conductivity (EC) and acid (PH). Thank to the new technologies, Ferticontrol B is the most economic machine within its range of products. It can manage fertilizer injection by probe (On/Off) and injection of acid by probe through 4/20 m/a control.

OPTIONAL

It is possible to add the inverter to get a more complex control of the fertilizer injection. It is used when irrigation system already exist and it is required a fertirrigation control reliable and easy to install.

PREMIXED FERTIRRIGATION MACHINE

Structure in Aisi 304 steel.

Tank from 200 to 1000 lt

Supply pump sized till 4 venturi injections (standard) available until 8 injections.

Controlled by Agronic 4000/5000 or 7000.

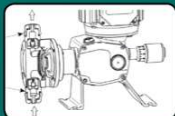
Supply pump and automation are chosen considering flow rate of the irrigation system.

FERTICONTROL A (normal crops or hydroponic, in by pass)

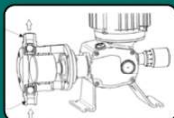
Fertirrigation machine operating in by-pass on self supporting stainless steel structure.

Based on the selected programmers (Agronic 4000 or 7000) the injection of the fertilizer is managed in proportional or probe. From 2 to 10 injections with max flow rate (each) of 400 l/h. Sensor control of the PH (just display option). Centrifugal electric pump with vertical axis to which the fertilizer injection devices (Venturi) are positioned on the inlet side. Machine operating pressure range: 1.5-6 bar.

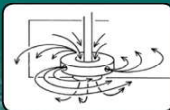
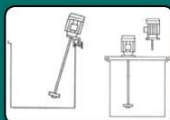
FERTIRRIGATION



PISTON



DIAPHRAGM



VENTURI INJECTORS

Injector Venturi and suction kit with Venturi, flowmeter, vinyl pipe and filter.

Diametri: 1/2" – 3/4" – 1" – 1.1/2" – 2" – 4"

Materials: PP (polypropylene) – PVDF (kinar)

Suction min-max: range from 4 l/h to 680 l/h

Cheap and reliable product having all components without under wear.

DOSTEC WITH PISTON or DIAPHRAGM

Dosing pump with positive displacement for dosing chemical products with a high yield rate and precision. They are made with materials which are compatible with most processes where a product must be dosed into a hydraulic network.

MATERIALS

Piston: in high molecular weight polyethylene (PEAUAPM) or ceramic.

Cylinder: PP/PVDF/AISI 316.

Diaphragm: PTFE (politetrafluoroetilene).

Engine: Trifase 230/400V – Monofase 230 V 12V 130 – 300 W

Flow Rate: from 25 to 500 lt/h

MULTIFERTIC WITH PISTON or DIAPHRAGM

Injection pump with high yield rate and precision composed by engine that can support from 1 to 4 modules of independent injection of 50, 100, 200, 300 or 500 l/h.

MATERIALS

Piston: PEAUPM (polyethylene high molecular weight).

Diaphragm: PTFE (politetrafluoroetilene).

Engine

Trifase 230/400V

Monofase 230 V

12V 130 - 300 W

Flow Rate: from 50 to 300 lt/h

AGITATORS WITH FLANGE OR CLAMP

Agitator exclusively designed with 6 spouts, three of them radial with centrifugal movement to produce a rotation of liquid and three of them axial to stir the bottom. Dismountable turbine without edges for greater security.

Engine IP55: Three-phase 230/400 V50

Mono-phase 230 V50 – 12 V DC.

HYDRAULIC VALVES

Hydraulic valves have different application in agriculture and irrigation as well as for the distribution of drinking water or in industrial processes.

Hydraulic valves perform different tasks depending on how it is equipped: manual valve, electric valve, adjustment and/or maintaining pressure, valve with float etc..

TANK OF FERTILIZER

The easy and economic way to inject fertilizer.

AUTOMATION



AGRONIC 2500

Complete fertigation controller, entirely configurable with great potential to use and with many extension and communication possibilities.

Equipped to control irrigation, fertilization, pumping, filter cleaning and malfunctions detection, providing detailed chronological records of events and totals.

Models have 9, 18 and 27 configurable outputs and 6 digital inputs on the base, having also several versions and options.

Extensions are available to accommodate readings from 2 analog sensors on the own base or by using the AgroBee radio system to have more inputs and outputs, reaching up to 30 irrigation sectors, 2 pumps, 4 fertilizers and mixers, 1 fertilizer general, 9 filters, 20 digital sensors, 10 meter sensors, and 10 analog sensors.

AGRONIC 4000

Agronic 4000 is a complete controller for conventional fertigation, totally configurable and adaptable to any need of every user. Its multiply use and expansion possibilities offer to the owner all the work modalities available at present time.

Equipped for the control of irrigation, fertilization, pH, pumping and filter cleaning, plus malfunction detection and with the possibility of telemanaging the data via PC or mobile phone.

Models with 16, 24, 32, 48, 64, 80 and 96 configurable outputs, plus 12 digital sensors at the base.

Extensions for the reading of analogical sensors; both by direct connection to the unit or by external modules (Agronic Monocable or Agronic Radio).

SISTEMA KEY RADIO

It is a system radio connection between the programmer and valves on the field. It is composed by transmission system connected to a programmer that transmit by radio to the receivers located on the field near the valves. It can be installed on all kind of programmers (also already installed) and it allows doesn't use any kind of wires.

WEATHER STATION VIA INTERNET

All weather elements of agricultural interest are constantly observed and monitored by the weather station that transmits the data to the computer with which it is possible to interact by accessing an internet portal subject to registration. Wind, rain and temperature detector.

Stazione meteo Metos weather data



Servizio Web Web Services



- Weather Reports
Rapporto meteo
- Financial Agronomic Reports
Rapporto Agronomico
- Pest/Disease Alerts
Allarmi
- Crop Staging Models
Tipo di coltura
- Crop Yield Models
Rosa della coltura



IRRIGATION



SUN-FLOW



SF-10



SF-55

SF-20



HOSE REEL

LAYFLAT CONNECTORS



DRIP LINE T-SAL S1

T-sal dripline is the cost effective, thin wall dripline which is produced in a variety of tubing sizes and flow rates used on annual crops. It incorporates the Tsal dripper which can be flushed clean under high pressure, maintains high emission uniformity and has great resistance to clogging.

The result of this efficient design is a coefficient of variation (CV) = 1,5%. Filtration suggested: 120 mesh

Diameters: 16- 22 mm

Flow rate: 0.6 – 1 – 1.4 – 2.3 – 3.8 lt/h

Mils: 6 – 8 – 10 – 12 – 15

DRIPLINE COMPENSATED PC2

It is used for multi years crops.

Diameters: 16 (thickness 1 mm) – 20 (thickness 1,2 mm)

Flow rate: 1.3 – 1.5 – 2.2 – 3.8 lt/h

Range of compensation: 0.8 – 4.5 mca

Filtration suggested: 120 mesh

DRIPLINE SUPERDRIP

New flat dripper with big turbulent labyrinth

Diameters: 16 – 20

Range of compensation: 0.8-4.3 mca

Flow rate: 1.2 – 1.6 – 2.3 – 3.4 lt/h

Suggested filtration: 120 mesh

LAYFLAT CLAMP

The LAYFLAT SF has been used by farmer using the drip irrigation methods in the United States and throughout the world for over twenty years. Its main advantages are: it doesn't twist – easily rewound for subsequent use – less dilation in the diameter and length due to temperature changes – better seal of connectors and hoses thanks to the use of interwoven threads that ensure the stability of the hose throughout its length.

TECHNICAL CHARACTERISTICS: 3 yarn polyester thread both the hose and covering are extruded together in order to obtain maximum fusion.

Operating temperature: from -20°C to + 76°C (over +43°C the operating pressure is reduced).

The various model are recommended for the following applications:

LAYFLAT SF-10 for drip irrigation as direct coupling is possible (by means of the appropriate connectors) to the drip emitter.

LAYFLAT SF-55 for direct coupling (by means of the appropriate connectors) of mini sprinklers and water transportation up to 11 bar.

LAYFLAT SF-20 for use on self-propelled and pivot machines.

The reels are 91.5 m in length (300 feet)

Diameters: from 1" to 8".



IRRIGATION

MINI SPRINKLERS

Mini sprinklers system ideal for level led ground. Full circle or sector mini sprinkler. Made in plastic with stainless steel metal parts.

Si-22 Mini sprinkler full circle with two nozzles.



CHARACTERISTICS:

- Male connector from 1/2".
- Angle of trajectory 24°.
- Range 10-12.5 meters.
- Recommended filtration 60 mesh.
- Operating pressure 2.5-4 bar.



S10 REMOVABLE 1/2" F SUPPORT

COMPRISING:

- Support
- 2 clamping rings
- 1,2 m of hose 10 x 14 mm
- Removable quick connectors for PE hoses or start connector from mobile hoses

FULL CIRCLE AND SECTOR BRONZE SPRINKLERS!

Diameters: from 3/4" to 1" 1/4.
Range: da 11 mt a 31 mt



SECTOR



FULL CIRCLE



TAPE ROLLER LAY (T-R-L)

The T-R-L is designed to meet the needs of groers requiring a more robust tool for injecting a wide variety of sizes and styles of drip tape. The hybrid tool is faster, stronger and safer to use than anything built in the past. The length can be settled to lay drip line till 60 cm of depth.



TAPE ROLLER UP (T-R-U)

The T-R-U is the most compact product in his category. Designed for removal of drip tape for disposal, this new machine combines the tape lifting abilities with the unparalleled drip tape compaction. The result is a tape pulling machine that is safer, faster and narrower than anything we have produced until now.

