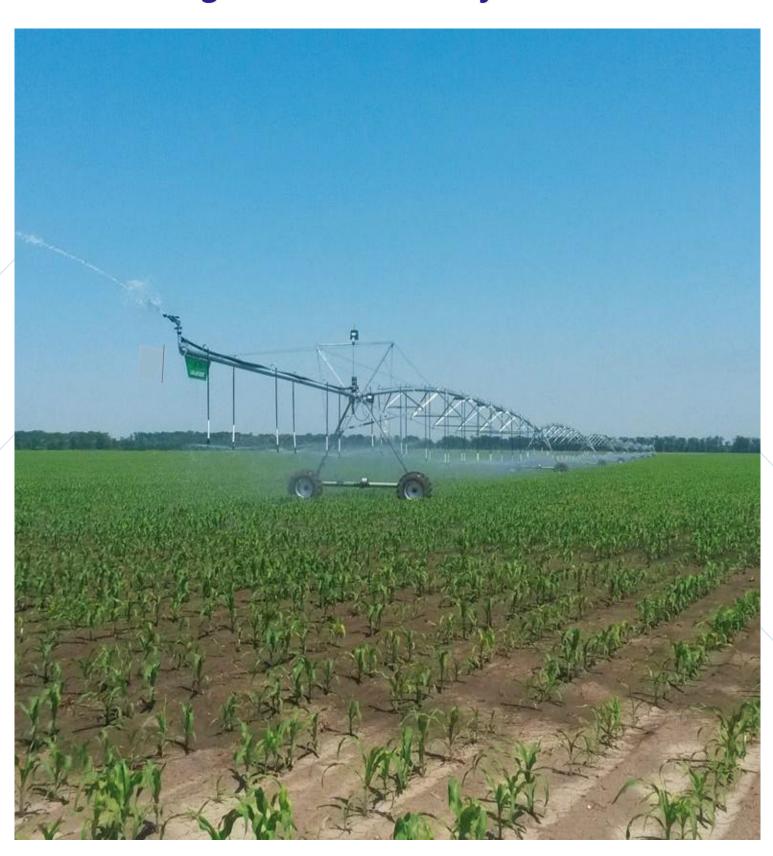
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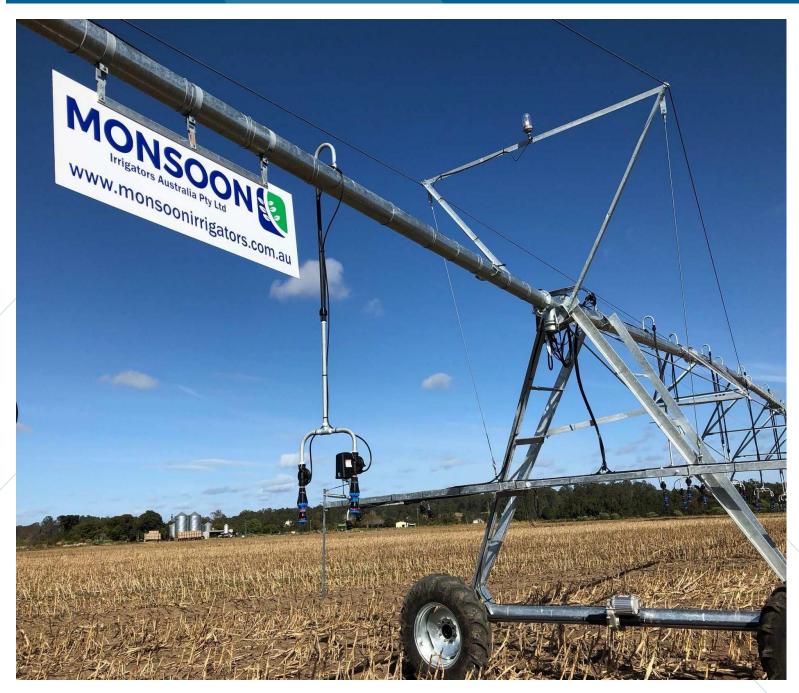
Irrigators Australia Pty Ltd





Urapivot Irrigation Systems	Page
Urapivot Group	4-5
Structure	6-13
Driving elements	14-15
Main electrical panel	16-22
Engineering department	23
Irrigation Equipment	24-28
Dealers: Support and service	29
Lateral & Special systems	30-35







- Optimizing crop irrigation.
- Reaching even water distribution (nearly 90%).
- Achieving perfect dosis control.

Guarantee of your profit, season after season

Urapivot systems are produced following strict manufacturing methods, and correcly maintained by your distributor assure you a minimum life span of 20 years.



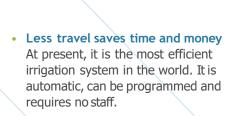


The company is specialized and focused in the agricultural market. It offers an integral service, based on a recognized prestige of a solid international group, which provides a long experience, quality (ISO 9001 CERTIFIED) and confidence that always has been given.

The best choice for your crop

The aim of irrigation is to produce food the most efficient way and using every drop of water for this purpose.

We aim to offer ever more efficient irrigation solutions. Urapivot is highly effective large area irrigation system, which increases the yield per area irrigated. The initial investment is returned manifold during its life span.



Your crop is secured and under control

The revolutionary System controls your pivot simply and fast from Smartphone or PC at every moment.



Assisting the customer

Our passion is listening to the customers and learning from their suggestions. We offer technical assistance for installation and maintenance. The presence of the authorized dealer from project to installation and right to the after sales service give you an additional advantage.



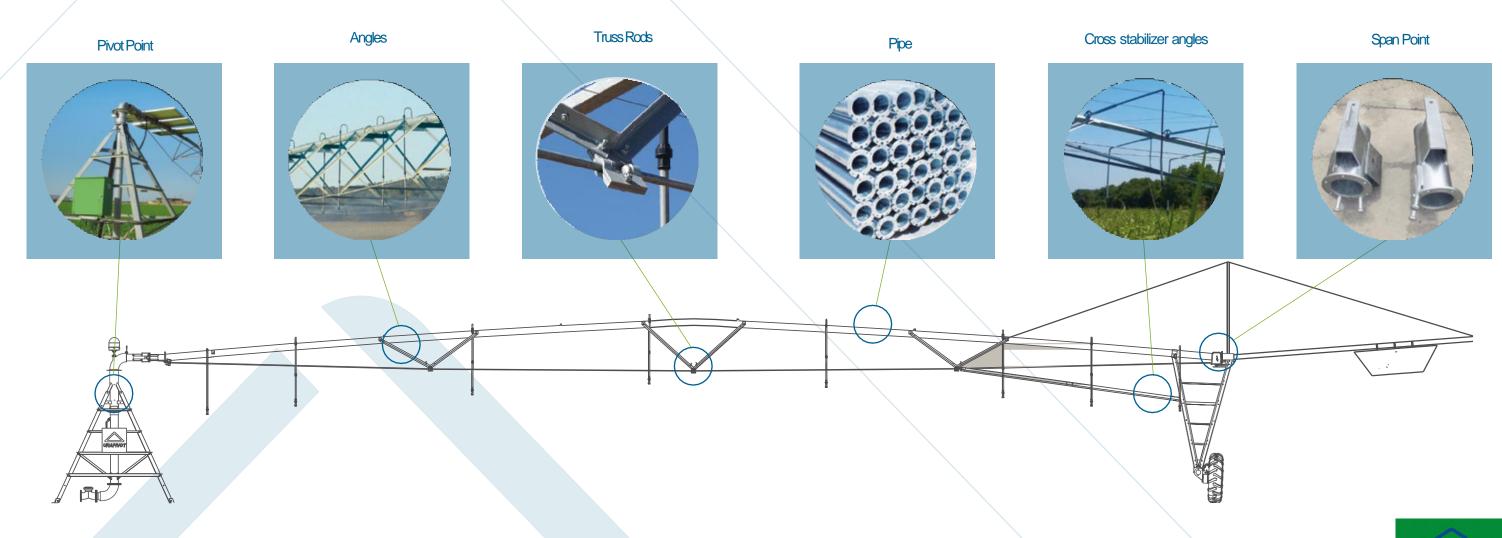


URAPIVOT

Elements of structure

The interchangeable elements of the structure make it easy to assemble and replace components, thus reducing costs. All components of the structure are 100% vertical hot zinc dip galvanized to guarantee corrosion and oxidizaton free years. Urapivot is one of the most reliable and enduring systems on the market.







Pivot PoInt

The Urapivot is long lasting, helps to save water and reduces operating costs and wages considerably over a long period. Urapivot System has a high realiability and is a sure way to obtain high benefits from the field.

Heavy duty pivot point structure

The robust structure of the pivot point consist of strong angular galvanized feet and highly resistant cross bars make together a solid basis capable to absorb the loads created by the longest systems.

The height of the Urapivot pivot point is in between 4 m (standard model) and 5 m (model for high crops like sugar cane).



Urapivot collector ring

Placed on top of the pivot point, it keeps the electric energy out of the central water flow, receiving the 380 V from the main panel and redistributing it to the panel of each tower.

The collector ring is protected against humidity by a corrosion resistant polyester cover.

Urapivot standard height

The Pivot point of the machine is 4 meters high, and machine has a clearance of 2,9 - 3,15 meters.



Urapivot extra height

The Pivot point of the machine is 5 meters high, and machine has a clearnace of 4 - 4,4 meters.



Internal collector

In addition to the previously explained advantages, the internal collector ring has the advantage to make the assembling and dismounting more easy.







HIGH RESISTINCE GALVANIZED PIPE

The Urapivot system is equipped with galvanized pipes of 3 mm wall thickness (4 mm in models URA8 and URA8,5), this is not common on other models on the market; this gives additional resistance, durability and stability to every tower. We offer the option to use red pipes in case of high corrosive waters.

Range of models

Model	Diameter Pipe	Irrigated area	Span length	Available overhangs	Min/Max height Overground	Tyres
URA 5	5″ 12.73 cm	Hasta 35ha Upto 35 ha	34.45 a 59.3 m	6.37 m · 13.13 m 18.36 m · 25.13	2.87 - 4.11m	14.9 x 24 ·High Flotation
URA 6	6 5/8" 16.8 cm	Hasta 85ha Upto 85 ha	34.45 a 61.3 m	6.7 m · 13.4m 20.10 m · 26.8m	2.20 - 4.22m	14.9×24 High Flotation 16.9×24 Super High flotation
URA 8	8″ 20.3 cm	Hasta 150ha Upto 150ha	30.91 a 54.91 m	6.7 m · 13.4m 20.10 · 26.8 m	2.87 - 4.52m	14.9×24 High Flotation 16.9×24 'Super High flotation

 There is an extra model using pipes of 8-5/8" (219 mm) for the largest systems; this model works with same specifications as Ura8 model.



Truss rods and angles

The unique truss rod design of the Urapivot distributes the load evenly and offers major support and durability. The truss rod heads forged and non welded, follow a specific induction magnetic manufacturing process, getting alveolus resistant shape, and reducing weak points of the towers.



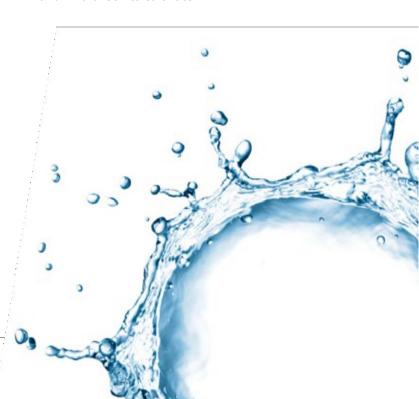
Tires

Urapivot offers a wide range in accordance with the size of the unit and depending on the characteristics and kind of soil to cultivate.

Tires:

- Standard (11,2 x 24 y 11,2 x 38)
- High Flotation (14,9 x24)
- Super High Flotation (16,9 x 24)





Structure



Cross Stabilizer Angles

Of optimum design, increases the structural stability and absorbs the torsion produced by uneven soils.



Detail of rubber sleeve and aluminium brackets



• The strongest machine structure





Span Joint

- Maximum flexibility: The articulated Urapivot joint permits independent movement of each span and avoids torsions effecting the system, even on slopes of up to 30%.
- No flow restrictions: All components are of easy access from outside.
- Security system: The sleeve and aluminium brackets are designed to break in case of alignment problems, producing a drop of water pressure in the system, and automatically stopping the pivot.
- Extra protectioin: The aluminium brackets holding the rubber sleeve protects the hydraulic joint.
- Easy maintenance: The joint rubber sleeve can be changed without using a crane.



Driving Elements



Gear Boxes

Higher rotationspeed:

The 3/4 HP centre drive is capable of 43 r.p.m (the fastest speed available on the market in its category). The gear boxes are tested to work in the hardest conditions assuring a high performance.

• Easy maintenance:

Rotator and stator can be replaced separately.

• Aluminium motor cover:
Improving the motor refrigeration.



HIGH SPEED MOTOROPTION

- 86 r.p.m. at 60 Hz; 11/2HP.
- 72 r.p.m. at 50 Hz; 11/2HP.
- Reduced the rotation speed by 50%.

MEDIUM SPEED MOTOR OPTION

- 57 r.p.m. at 60 Hz.
- 47 r.p.m. at 50Hz.
- Reduces the rotation speed by 25%.

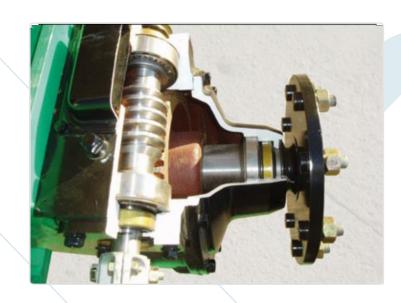




Heavy Duty Worm Wheel Gearbox

The sealed wheel gearbox develops an important torque force, resulting in a major resistance and durability on even the most difficult and uneven soils.

- The shaft size of 2-1/4" offers high resistance.
- The inner expansion chamber avoids condesation.
- The oversized bearing increase the life span of the unit.









Pivot Panels

The panels made for Urapivot machines are contructed in metallic material, zinc plated and painted in EPOXI powder, drying oven, with door and storm door, both doors have knob mechanical opening, the outer being prepared for key lock, also available this lock with another installation padlock.

The inner door is carrying a box standard mechanical lock. Also availability of these panels for construction in polyester reinforced with fiberglass.

All ready for voltages and 50/60 400/480 V. Hz frequency.

Main panel

The electromechanic main panel is designed to work in the most severe climatic conditions but being easy to handle at the sametime.

- The metal enclosure is water and humidity proof.
- The panel has a LED screen to make the start and the control of the unit easy.
- The standard control panel includes a low pressure stopping device and lightning protection.





Main Panel options

- Programmed stop. Towercheck on any tower.
- Autoreverse at the center or on any tower.
- Automatic restart after power failure.









Elements and features including

- Main switch.
- Differential and electromagnetic protection.
- Start/stop selector.
- Irrigation/dry selector.
- Speed timer.
- Indicator of tower damaged by sensor.
- Turn selector.
- Hour counter.
- General Voltmeter.
- Lighting for controlling functioning and failures.
- Selector for security override.
- Contacts for start / stop of pump.

Elements and optional features

- Control autoreverse anytower.
- Voltmeter switch phases.
- Auto-restart when voltage drop.

Uramachanic Panel

The Uramachinic panel is electro-mechanical and designed for an easy handling by the user. It does not require any training, is the simplest panel of Urapivot range, designed for pivot circular or sectorial, having a wide range offeatures.

With this panel you can put the machine in automatic mode or you can also do all the functions in manual mode.

The panel allows auto-start on pressure switch, and incorporates autoreverse function in the center, allowing the control valve pivot foot 24 volt.







Uradigit

Our Uradigit control panel is one of the most comprehensive and advanced control panel in the market. It contains all functions and features of the Uramechanic panel, but working with an electronic software, which allows using it in circular machines or linear machines.

It is a panel that incorporates a screen PLC intuitive configuration, which makes it very easy it's handling, not needing a training for it's use. With it's electronic mode allows circular sector and control the first and last span for lateral move.

Pump start and stop is automatic, controlling the time it takes to reach the minimum pressure required for the machine.

It incorporates a standard start up control programmed when machine reaches the right voltage for the machine. It allows controlling the time of each run, when starting or ending each cycle. Also when turning the side of irrigation in the machine, let you control the timing in each situation.

It incorporates the electronics autoreverse of the machine when machine touches the barrier or when the limit switches installed in the center of the pivot are working. It is available to install a detector to stop the machine in any point automatically.

Elements and features included

- All features included in Uramechanic.
- Auto Reverse in the center and or in any tower.
- Automactic autoreverse.
- Pressure auto-restart.
- Automatic stop.

PIC Controls

• All functions are programmable.

Elements and optional features

- Program start up of generator when pressure on.
- Possible upgrade for URANET Remote control.



Uranet System

The URANET System is the most advanced system available for remote control and management of irrigation equipment, allowing you to manage all the features available with Uradigit control panel, and including the below elements and features additionally:

Elements and features included

- RF communication with control center module.
- Control and management of one or more machines simultaneously.
- Module Data Technology GPRS / 3G or WIFI available.
- GPS RF Module.
- Independent unlimited GPS 360 sectors configurable.
- Fertilizer Control.
- Theft protection.
- · Control user access.
- Programmed open hydrantvalve.
- Monitoring Temperature, humidity, pressure.
- Annual Weekly Schedule / irrigation systems.
- Add accurate application dose through the program.
- Efficient energetic management tool for the installation
- Independent control of irrigation sectors.



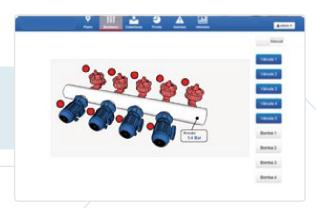




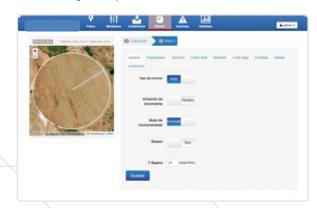


Uranet System

Management and control of pumping systems.



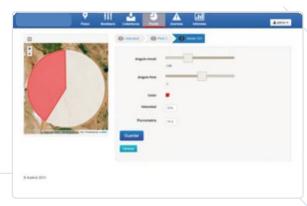
 Graphical display real-time position of Pivot. All configuration parameters Pivot in seconds.



• Online Graphical Programming Irrigation Sector.



Create new irrigation sectors in seconds.



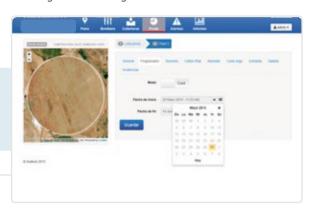




The designing of an adequate irrigation applying equipment is the last step to make sure your machine is in optimum working condition. The engineering department analyses the soil, topography and corp of the field to offer you the most suitable irrigation equipment.



• Irrigation scheduling based on calendar.



 Reporting of key system parameters such as flow, pressure, temperature, humidity, etc ...









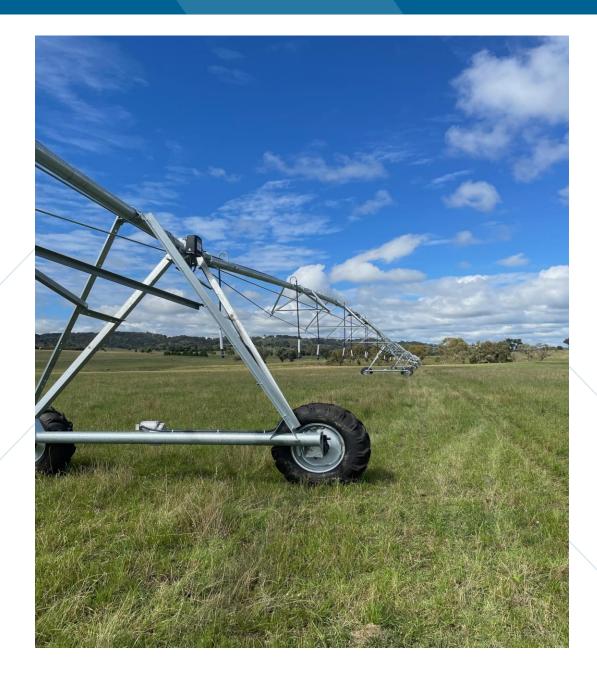
Nozzles

Urapivot offers a complete high quality range of nozzles and irrigation equipment: impact sprinklers (medium and low pressure, low angle), Rotator, Accelerator, Sprayhead, Trashbuster, i-Wob and Quad-Spray.

3000SE	ERIES	Description rate	Kind of nozzle	Operation rate	Application rate	Mounting	Relative throw diameter
R300 0	Rotator	The Rotator® R3000 features the greatest throw distance available on drop tubes. The wide water pattern from rotating streams equates to lower average application rates, longer soak time and reduced runoff. More overlap from adjacent sprinklers improves uniformity.	3TN	15-50 PSI (1-3,4 BAR)	LOW	Up top or ondrops	50-74' (15,2-22,6m)
A300 A	Accelerator	Designed as a hybrid of Rotator ® and Spinner technology, the A3000 Accelerator increases rotation speed through the nozzle range. This allows for optimal throw and droplet characteristics.	3TN	6-15 PSI (4-1,0 BAR)		Up top or ondrops	46-53' (14,0-16,2m)
D300 0	Sprayhead	The D3000 Sprayhead is a fixed spray designed with future needs in mind. As irrigation requirements change throughout the season, the D3000 features a flip-over cap to change spray patterns. The D3000 is easily convertible to LEPA or other 3000 Series sprinklers. CAN BE ADAPTED TO CONVERT IT TO LEPA.	3TN	6-40 PSI (0,41-2,8 BAR)	HIGH	On drops	16-40' (4,9-12,2m)
T300 0 0	Trashbuster	Developed for the land application of was- tewater, the T3000 Trashbuster features an open-architecture body design to pass de- bris more easily. Available with the 3000 FC, a plugresistant, flow compensating sprinkler package can simplify maintenance.	3TN o 3000 FC	Depends on the sprinkler	LOW-HIGH	Up top or ondrops	Depends on sprinkler
i-WOB		The i-Wob uses a unique off-center rotary action to provide outstanding uniformity at low pressures. Its new below-the-nozzle weight creates less stress on flexible drops.	UP 3	20-30 PSI (1,38-2,07 BAR)	LOW-MEDIUM	Flexibles drops	40-57' (12,2-17,4m)
QUA B		The Quad-Spray was developed in the mid- 1980's specifically for Low Energy Precision Application (LEPA). LEPA is a relatively new irrigation practice that requires very little wa- ter and energy to operate. One of the biggest benefits of LEPA is that it makes pivot irriga- tion possible in regions previously hindered by limited water supplies.	STD	10-20 PSI (0,69-1,38 BAR)	VERY HIGH	Flexibles drops	1-2' (3-6m)









Drops

The use of drops is always recommended to minimize the loss of water due to evaportation or wind.

The length of the drop can vary from just under the truss rod down to 50 cms over the ground.

At present we offer two different drop models:

- Drops made in polyethylene.
- Drops made in reinforced rubber (can be rolled up). Available with boom system.

Boom system for drops



The pressure regulators assure equal water distribution from the center to the last tower. Available from 0,4 to 3,5 kg/cm² (10 to 50 psi) to cover every need. The pressure regulators are precision manufactured and feature a patented dampening system, improved plug resistance with a patented single strut design, and extended flow range.















End Guns Booster Pumps

The use of an end gun increases the irrigated area. A booster pump can be installed if more power is required.

Due to it's double arm and scoop the SR Canon advances as slowly as it returns, thus reducing considerably the vibration and jerk of the former quick return system, which caused tension and excessive load on the structure.

Your Dealer, Your most Reliable Partner

Your Urapivot dealer is at your disposal before, during and after the study of your irrigation project. Their committment is to keep your system in adequate maintenance and working conditions regardless of model.



Range of Services

 Inmediate availability of spare parts Your dealer supplies you, with the Irriagri System, high quality spares necessary to maintain your system in excellent working conditions, along the life of your machine.

• Service when you need it

Starting with the initial presale planning of the system, up to the maintenance service and emergency repairs on the field, the certified Irriagri technician is always at your disposal to keep your system in good working conditions.

Certified Support

Your Irriagri dealer is an expert irrigation professional and has pasqsed severe capacity tests to obtain his certificate.

• Customer's capacitation

When purchasing an Irriagri System, you receive not only an equipment. You also receive professional knowledge and field demonstrations which keep you up to date on irrigation methods and maintenance techology.



P85AS 20 GPM-125 GPM (2,5 m³/H-28,4m³/H)



SR100 50 GPM-300GPM

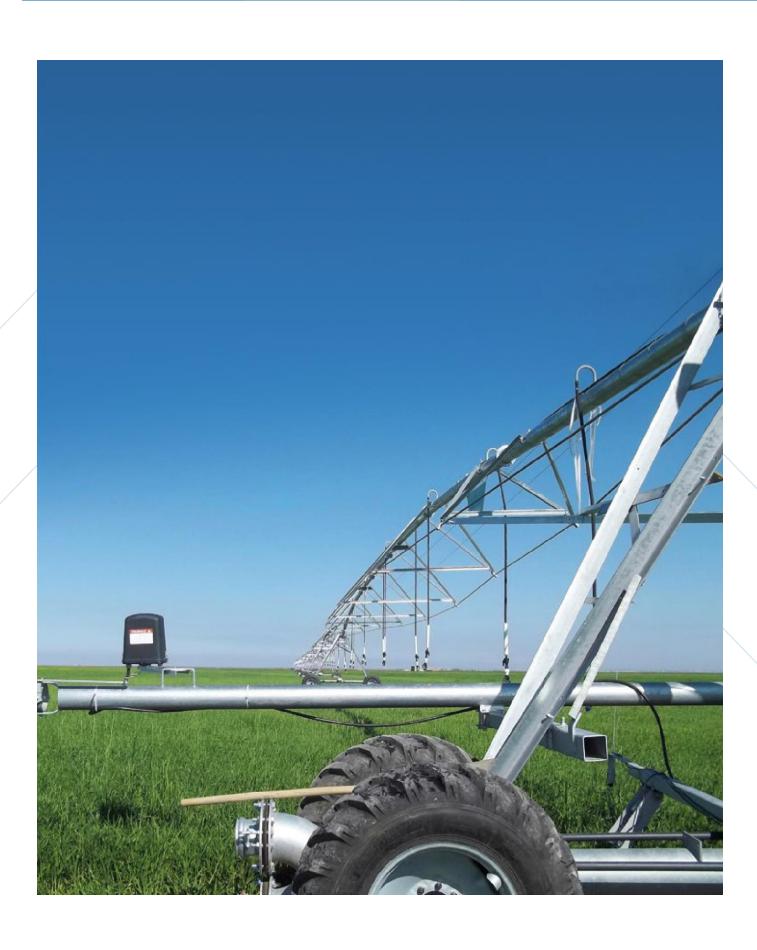


SR75 30 GPM-160 GPM (6,8 m³/H-36,3m³/H)



SR150 100 GPM-550GPM (23-150m³/H) 50-120 PSI (4-9Kg/cm²)





Lateral Systems

Lateral move systems are designed to irrigate rectangular lands due to their lateral move. There are three kind of lateral systems.













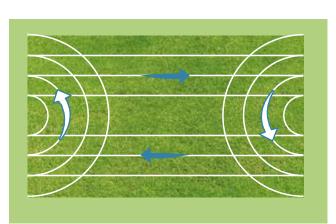
Hose-fed lateral

The ditch fed lateral Urapivot system is the ideal solution to irrigate the maximum area on slopes or when the soil conditions do not permit the use of a channel.

Use of a 2 or 4 wheel cart , depending on the size and length of the hose.

Guidance systems available for hose and ditch fed:

- 1. Aboveground cable line
- 2. Furrow guidance system
- 3. Quill feelers.







Pivoting lateral

This system in addition to move like a standard lateral; it can cover the double width when compared to the former lateral model as it can turn 180° when reaching the end of the field

The pivoting lateral system cart, can be controlled through the guidance system of the hose-fed unit.











Hippodrome

The hippodrome is designed to automatically irrigate fields of irregular shapes such squares, rectangles, trapezium-shaped, etc.

In other words, the system adapts to fields of any shape. The center of the system is mounted on a cart with 4 robust wheels, leading the water to the intake and bend.

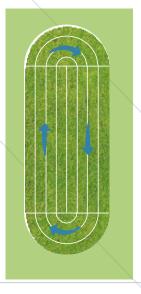
Mobile system

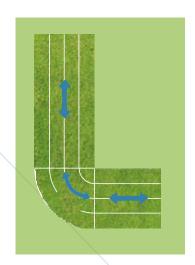
This system is designed to irrigate several areas with only one machine. To move the unit from one field to the other; the gearboxes of each tower are turned 90°.

This system is available for diameters 4-1/2" and 6-5/8". There are two types:

- 1. 2 Wheels solution: under 200 m.
- 2. 4 wheels solution: up to 10 towers or 400m.









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SUPPLIERS AND INSTALLERS OF PUMPING AND IRRIGATION EQUIPMENT

Admin, Sales & Factory: 8 Buckman Cl Toormina NSW 2452

PO Box 142 Sawtell 2452

Email:sales@monsoonirrigators.com.au

Web:www.monsoonirrigators.com.au