



YOU ARE WELCOME TO VISIT OUR FACTORY

**YULIN IRRIGATION DISTRIBUTION IN THE WORLD**

**NORTHERN PART OF THE WORLD:**

America, Russia, Germany, Kazakhstan,  
India, Algeria, Canada, Korea, Sudan, Mali,  
Iraq, Qatar, Romania, Canada, Mexico

**SOUTHERN PART OF THE WORLD:**

Australia, New Zealand, Chile,  
South Africa, Brazil

**WE SEEK COOPERATION AROUND THE WORLD**

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**WATER SAVING SOLUTIONS**

**CENTER PIVOT IRRIGATION  
LINEAR IRRIGATION**



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**BEST IN THE AGRICULTURE**



We provide the best service for our clients all over the world

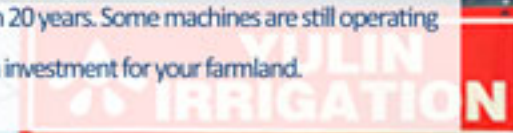
Water Supply Program

- 1.Pump station
- 2.Water pipe network
- 3.Submersible sewage pump
- 4.Generator set
- 5.Farmland plan

Irrigation Program

- 1.Irrigation machine program
- 2.Shipment for order
- 3.Installation and technical support oversea
- 4.Training for usage of irrigation machine
- 5.OEM for professional irrigation company

The lifespan of a pivot is much more than 20 years. Some machines are still operating after 25 years. It is, therefore a long-term investment for your farmland.



China Yulin Irrigation Equipment Co., Ltd. is a leading manufacturer of agricultural irrigation equipment in China. As an OEM manufacturer we have supplied more than 1,000 large scale irrigation projects between 2000 to 2008 to the American irrigation company. We are the only Chinese manufacturer to achieve their certification on technology, manufacturing process, management standards and quality assurance.

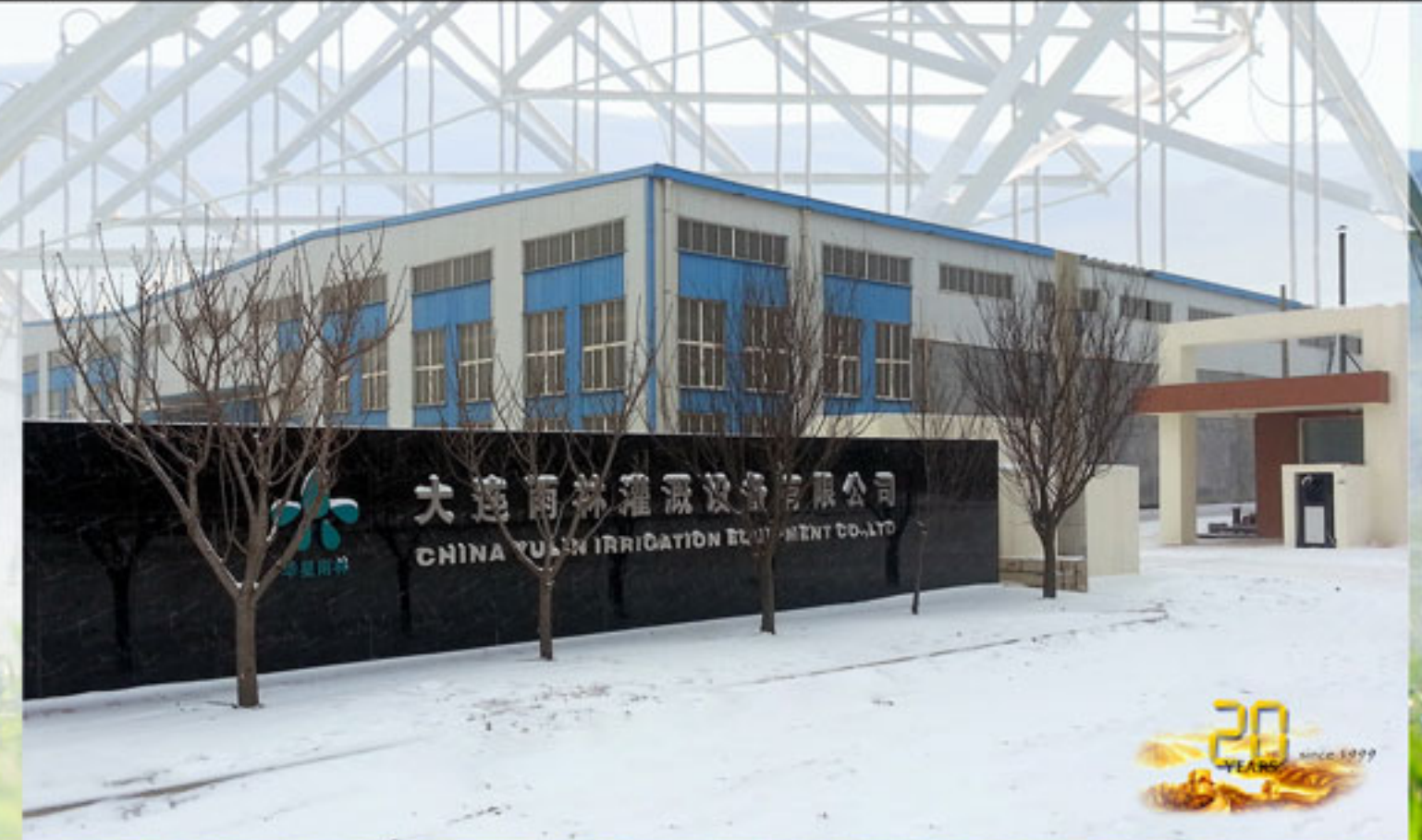
From 2009 Yulin has marketed irrigation equipment under the brand HUAXINGYULIN and has developed into a major supplier to industry and the Chinese Government through large government project tenders.

The manufacturing plant covers an area of 35,000 square meters with the whole plant covering 45,000 square meters with a total investment of 40million RMB. Yulin has built a new production plant with research and development at its heart. With modern advanced manufacturing equipment and rigorous quality control procedures Yulin irrigation equipment offers quality and lifespan on a par with American products.

We supply advanced irrigation equipments, professional installation teams, high efficiency irrigation programs, and timely after sales service for customers all over the world.

Yulin exports directly to the USA, Mexico, Canada, Europe, Egypt, New Zealand, Russia, Iraq, Australia and Africa. Yulin continues OEM manufacturing for foreign customers in recent years particularly in Australia.

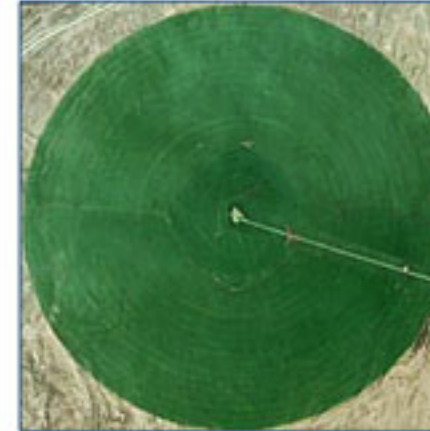
China Yulin Irrigation Equipment Co., Ltd. is dedicated to the development of agricultural irrigation areas. We maintain intimate relationships with both our Chinese and international business partners to constantly help improve farmers use of their limited resource - water.





### FIXED PIVOT IRRIGATION

Pivots are irrigation systems consisting of one or more spans which rotate around a fixed point anchored to the ground. The spans turn repeatedly around a fixed central point. They are simple to use and require little intervention. These machines are both reliable and excellent value for money.



### ZONAL PIVOT IRRIGATION

The spans rotate less than 360 degree and therefore maximize the irrigated surface area when there is an obstacle (farm building, tree, pylon etc.) situated in the middle of the field, or where the shape of the field does not allow full rotation.

An automatic reverse system allows continuous operation whilst the security system ensures that the spans stop at the end of the irrigated zone.

PIVOT IRRIGATION MACHINE	
SPAN DIAMETER	9000DYP 219mm
THICKNESS OF PIPE	3.1mm HOT GALVANIZED PIPE STEEL 304 PIPE ALUMINIUM PIPE HOT GALVANIZED PIPE WITH INNER RUBBER
	219mm:41.15-54.86m 203mm:41.15-54.86m 168mm:41.15-61.26m 141mm:41.15-61.26m
OVERHANG	6.7-26.8m
CONNECTOR BETWEEN SPANS	ALUMINIUM CLAMP AND RUBBER
TRUSS TENSION ROD	19mm 22mm
MAX SLOPE	20%



RECOVER YOUR LOST PRODUCTION



### TOWABLE PIVOT IRRIGATION

The machine is equipped with a tower on swiveling wheels and a central unit on a moveable chassis fitted with a beam.

Once the wheels are aligned with the span's axle, the whole machine can be moved by tractor.

This type of pivot allows a reduction in the cost per hectare irrigated by increasing the area covered by the same machine.

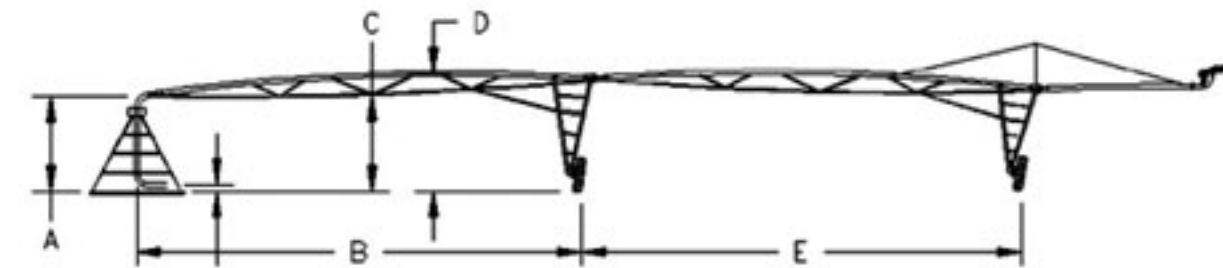


### FOUR WHEEL TOWABLE PIVOT IRRIGATION

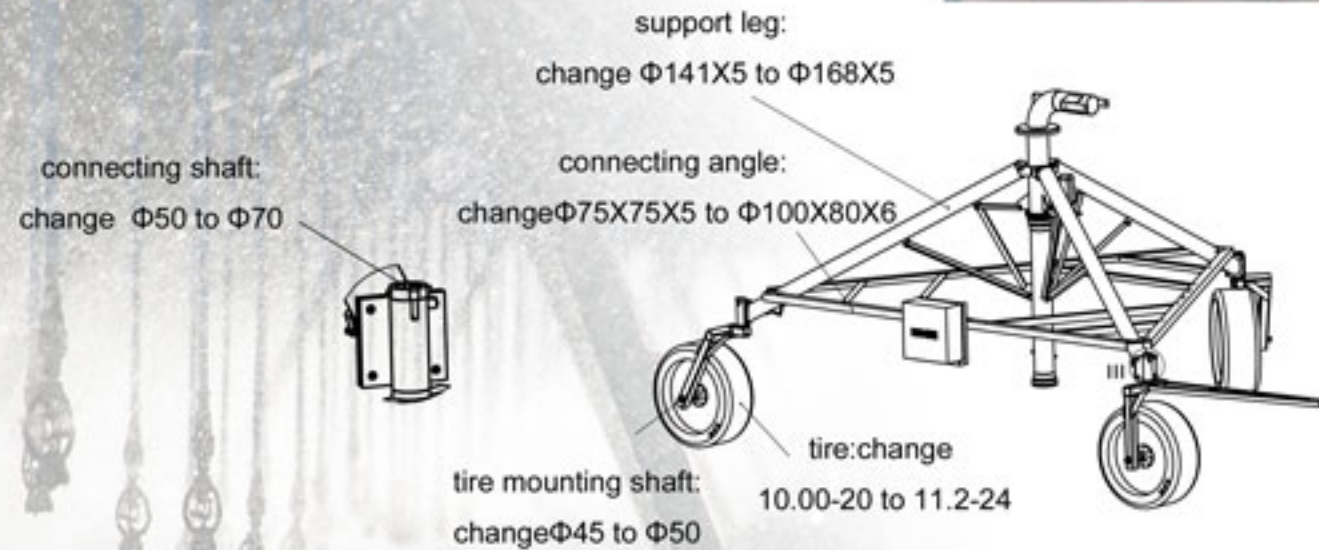
The four wheel chart is more stronger and firm than three wheel towing machine, but not flexible like three wheel towing machine.

Three wheel tire can change 360 degree while four wheel only can change 90 degree.

## Upgrade new central chart for the towing machine



Pipe Size	Span Length	A	B	C	D	E
8"	135'	12'10"	136'1"	9'7"	14'7"	135'2"
8"	157'	12'10"	158'	9'10"	14'10"	157'
8"	179'	12'10"	180'2"	9'6"	14'10"	178'11"
6-5/8"	135'	12'10"	136'	9'8"	14'10"	135'
6-5/8"	157'	12'10"	158'1"	9'11"	15'2"	157'1"
6-5/8"	160'	12'10"	161'1"	9'11"	15'2"	160'1"
6-5/8"	179'	12'10"	180'2"	9'6"	14'10"	178'11"
6-5/8"	201'	12'10"	201'3"	10'1"	15'1"	200'2"
5-9/16"	135'	12'10"	136'	9'6"	14'7"	135'
5-9/16"	157'	12'10"	158'	9'9"	15'1"	157'6"
5-9/16"	179'	12'10"	180'	9'6"	14'10"	179'



### LINEAR IRRIGATION

This systems consists of one or more spans which can be used autonomously. The water supply arrives via a pulled pipe or by drawing water from a lateral channel.

The electricity supply comes from a pulled cable or from a generator loaded on the machine.

These machines can be adapted to suit the different layouts of fields by following different circuits-linear or combined (linear and circular)

Yulin is the indisputable leader in this field in China market with more than 1000 sets of Linear irrigation machines.



### TWO WHEEL LINEAR IRRIGATION

This machine allows a "back and forth" irrigation via a linear of five spans maximum. This type is ideal for small to medium sized rectangular land.

Tower with axle and two motorized wheels

Water supply via a flexible pipe or a PEHD connected to a rotating elbow.

Can accommodate an electricity generator

Furrow guidance system or steel cable Moveable version available.



## SIMPLE AND RELIABLE ALIGNMENT CONTROL

### FOUR WHEEL LINEAR IRRIGATION

"Back and forth" irrigation via a linear of 10 spans maximum

Water supply via a flexible pipe or a PEHD connected to a articulated elbow.

Tower on a chassis with 4 motorized wheels

2 jointed axles for a better adaptation to the terrain

Can accommodate an electricity generator and

a diesel tank option to add an overhang at

each end of the spans Furrow guidance systems

or steel cable.





## TWO WING LINEAR IRRIGATION MACHINE

"Back and forth" irrigation via a linear move

Two lines of spans mounted on both sides of the motor which allow the flow to be spread out and reduce water loss

Water supply via a channel

Tower on a chassis with 4 motorized wheels

2 jointed axles for a better adaptation to the terrain

Can accommodate an electricity generator

Possibility to add a loaded gen-set and a self-cleaning strainer by drawing water from a lateral channel at rates of up to 800 m<sup>3</sup>/h

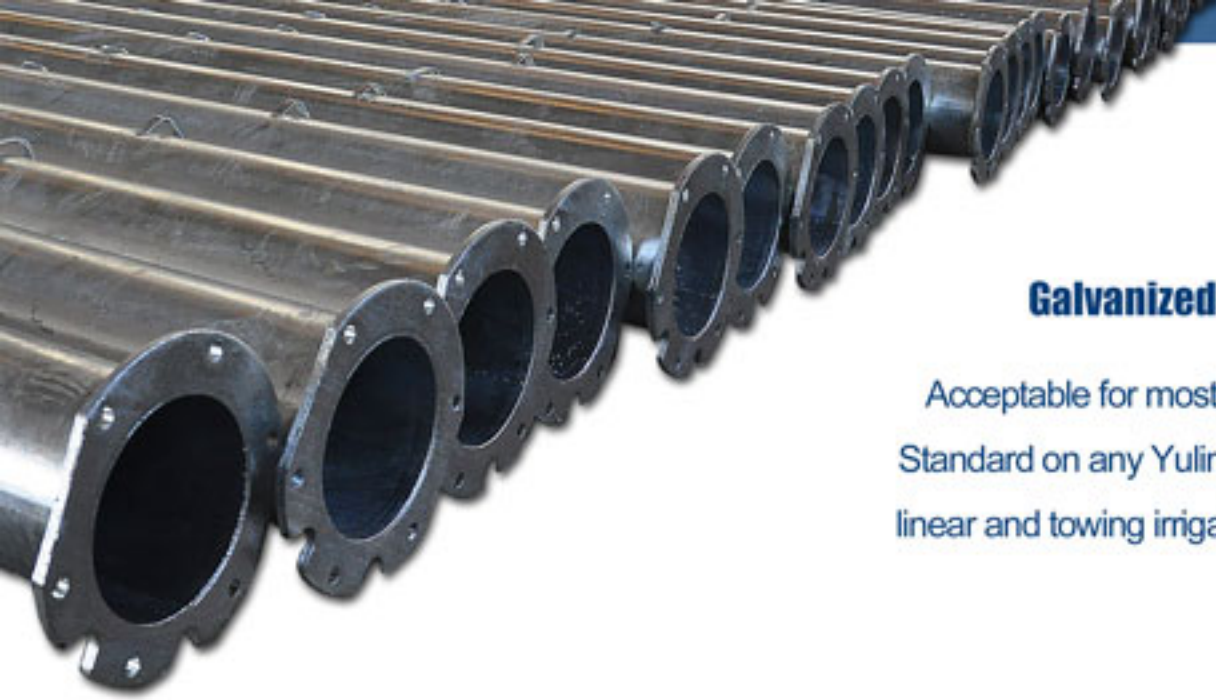
Furrow guidance systems

## FOUR WHEEL LINEAR & ROTATING IRRIGATION

This machine combines fixed pivot and linear move irrigation machine function together,

We can also add the towable irrigation machine function for client according to their requests.





### Galvanized Steel

Acceptable for most conditions,  
Standard on any Yulin center pivot,  
linear and towing irrigation machine.



When your pivot doesn't move in full circle, an end stop barricade structure is necessary.

Trigger arms control the barricade tower box to stop or reverse the pivot where you want it to, time after time .



### BARRICADES: AN EXTRA MEASURE OF SAFETY

### IRRIGATION TIRE

SIZE	PLY RATING	TYPE	OVERALL DIAMETER mm	SECTION WIDTH mm	SANDARD RIM	LOAD CAPACITY/ KG	INFLATION PRESSURE/ KPA
11.2-24	8PR	TT	1105	285	W10	1045	180
11.2-38	8PR	TT	1459	285	W10	1150	180
13.6-24	8PR	TT	1210	345	W12	1545	210
14.9-24	8PR	TT	1265	378	W12	1850	180
16.9-24	8PR	TT	1335	429	W15L	1960	200
16.9-28	8PR	TT	1435	430	W15L	2575	240

### EVERY DETAIL MATTERS



POLY PIPE  
STAINLESS STEEL  
OUTLET

### Inside with Poly Span, outside with Galvanized Steel

Corrosion resistant

Produced by Natural rubber

Available with YULIN IRRIGATION center

pivots and Linear(8"and 6 5/8"pipe only)

Standard with 3/4"couplers and 1"drains







### Standard Control Panel

1. Work status indication and real time monitoring
2. Failure alarm
3. Span synchronization safety protecting function
4. Auto-stop of irrigation machine and water pump If water pressure is too low or irrigation machine encounters some problem
5. Auto-start of water pump with the start of the machine

6. Percentage timer adjusts the working rate of the irrigation system.

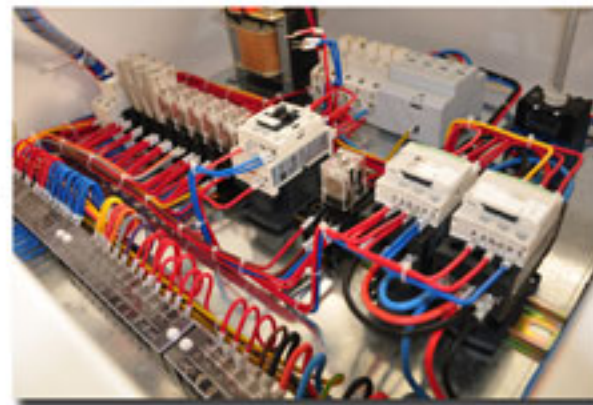
7. Control box panel can show the reasons of working breakdown.

8. Auto-stop if voltage is low/high

9. Auto -reverse function

7. Equipped with lightning arrester to prevent lightening stroke.

8. Extreme temperature protection switch ( $\leq 4^{\circ}\text{C}$ )



### PLC Intelligent Control Panel

1. All functions of standard control panel
2. Chinese or English LCD interface, keyboard input.
3. Memory functions for irrigation rate, rain capacity, number of turns, and the time and so on.
4. Possibility of small agriculture meteorology station installation
5. Possibility of sending alarm SMS to your mobile phone in case of breakdown

6. Diesel generator ,fertilizer and drug metering pump control

7. Angle control for sectors with the accuracy up to 0.1 degree

8. Irrigation rate, overhang, sprayer ,end spray gun and electric valve control



### Solar Center Pivot Irrigation Solution

In some areas such as the Middle East and Africa ,they lack energy such as the basic electricity power and diesel material , The solar center pivot irrigation machine is necessary for the local farmers ,to help them improve the irrigation rate ,increasing the crop output.



### Solar Water Pumping System

Solar water pumping system has three key components: PV array, solar pumping inverter and pump. Utilizes the solar radiation energy to produce electricity power, which drives the pump directly, pumps the water from underground or river and conveys it to the farmland and other applications.



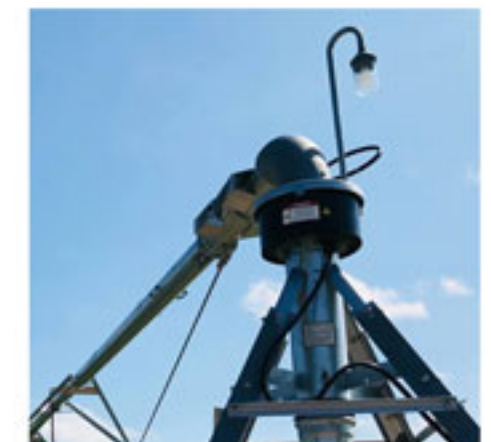
### Collector Ring

1. No spill water guarantee
2. No affect on water flow
3. Water flow increase up to 10%

4. Water cost saving

5. Pump lifetime increase

6. Two kinds of collector ring options



## FERTILIZER TANK



The scale on the tank makes it more convenient and quicker for the users to inject the liquid chemicals into tank. According to the ratio, the mixer starts to work on them at the desired value and gain the ideal concentration.



The tank made from YULIN factory, highly corrosion-resistant, tough, reliable and strong. The tank body is integrated design and is seamless. The inlet is appropriate in size and tightly sealed.



Capacity: 1000L/2000L/3000L



# SPRINKLERS AND PRESSURE REGULATORS

Nelson's 3000 Series Pivot Products take into account the variety of soils and their differing content of sand, silt, and clay.

Choose the product that best fits your soil type and maximizes efficiency.



D3000    A3000    S3000    O3000    R3000

SPRINKLER	PRESSURE RANGE(PSI)	PATTERN/STREAM TYPE	WETTE D@12'H	DIAMETE R@6'MT	APPLICATION	
					INTENSIT	AVGRATE
D3000	6 to 30	Multi-Trajectory, Fixed Streams	34-55ft	24-45ft	HIGH	MED-HIGH
A3000	6 to 15	Multi-Trajectory, Multi-Variable Speed Rotating Streams	50-60ft	36-59ft	MEDIUM	MEDIUM
S3000	10 to 20	Full-Random, Multi-Trajectory, Multiple-Fast Rotating Streams	NA	34-57ft	LOW	MEDIUM
O3000	10 to 20	Offset Axis, Multi-Trajectory, Multiple-fast Rotating Streams	NA	44-60ft	LOW-MED	MEDIUM
R3000	15 to 30	Multi-Trajectory, Multiple-Slow Rotating Streams	68-78ft	48-68ft	MEDIUM	LOW-MED

Benefits of pressure regulation include a uniform depth of water application, controlled sprinkler performance (droplet size and throw distance), and flexibility in system operation.

The function of a pressure regulator is to fix a varying inlet pressure to a set outlet pressure, regardless of changes in the system pressure due to hydraulic conditions elevation changes, pumping scenarios, etc.



Uni Flo    Hi Flo

## END GUNS AND BOOSTER PUMPS

End guns are an economical way to add profitable acres to your farm operation.

















The optimum operating pressure for an end gun can range between 40 and 70 psi and is based largely on the nozzle size of the end gun which is determined by the system length, total system flow(gpm), operating pressure and the distance of throw or effective coverage of the end gun.



## RECOMMENDED END GUN OPERATING PRESSURE

NOZZLE	END GUN PSI	END GUN GPM	BOOSTER PUMP/PSI BOOST	EFF. COVERAGE
.40"	40-50	28-32	2 HP/+32	59'-63'
.50"	43-53	47-53	2 HP/+33	75'-81'
.60"	46-56	71-79	2 HP/+33	86'-92'
.70"	50-60	100-110	2 HP/+31	97'-103'
.80"	54-64	138-151	2 HP/+28	108'-114'
.90"	57-67	172-187	5 HP/+33	115'-121'
1.0"	60-70	211-228	5 HP/+28	125'-133'



 Gasket Boot 8"	 Clamp 8" Ringlock	 Gasket Pipe Flange	 Light Assembly	 Truss Rod	 Joint Last Tower 6 5/8" SP	 Elbow Steel 8"	 End Spray Gun Booster Pump
 Tower Control Std. 10 Wire	 Gasket Round Back	 Anchor (big or small)	 Elbow Weld Put 6 5/8"	 Cover Of Coupler	 Gooseneck 3/4"	 Coupler Kit 7/8"	 Water Hose For Linear Irrigation



Motor



Gearbox

**STRONG PRODUCTION AND PROCESSING CAPACITY**

We worked as the biggest pivot irrigation machine factory in China for 20 years.

95% of pivot irrigation parts is produced by Yulin's own factory to control the quality of parts to supply the best quality goods to client and dealers all over the world.

**SUPPLY WORLDWIDE**

**WARRANTY PERIOD:**

- One year for electricity, parts and control panel.
- Two year for 14.9-24 tire.
- Five year for motor and gearbox.
- Ten year for galvanized irrigation parts.

