Pierce

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The CP600 is a system designed to adapt to a variety of weather, crop and field conditions, all the while providing maximum performance in water efficiency and increased crop yields, year after year.

The system can be configured for a variety of span lengths and overhang combinations with multiple sprinkler packages.

Why Pierce?

Durability and Reliability

See how quickly your machine pays for itself.

PIERCE pivots are designed to work long hours and provide maximum satisfaction. They operate under the most extreme conditions, on almost any surface, and with any type of water.

Higher Productivity

You'll think your crop is growing itself.

We supply a customised irrigation chart, specifically designed to meet your needs.

Design and Experience

Save time & money.

More than 25,000 irrigation systems sold in over 80 countries have proven that we offer the best irrigation equipment.

Maximum Quality

We make sure you get the best for the same money.

All PIERCE pivots are manufactured under strict ISO 9001 quality standards. The quality of their components is the highest on the market.

Don't stop Irrigating

We know how important a day without water is.

We have the parts you need for your PIERCE machine. Through our extensive Official Distributor network, and the best warranty program on the market, we make sure your irrigation system never stops working.

Customer Service

Don't worry about the machine.

They'll install it for you and provide the maintenance required to ensure your machine keeps running.

1 Pivot Point

Constructed with extra cross-ties to support spans length up to 62m (203.5')

Stainless steel swivel elbow.

The collector ring prevents the electrical cable from breaking as the machine turns.

Pivot Point with 4 wheels as an option.

Includes anchor bolts and pivot feet, reinforcement legs, ladder, rotating elbow, riser pipe, and bottom elbow.

2 Spans & Overhangs

Piping made of hot-galvanized steel (15,000 hours of irrigation without problems of corrosion guaranteed)

Outlets spacing: 58.5" (1.48m)

Standard profile: 117" (2.9m)

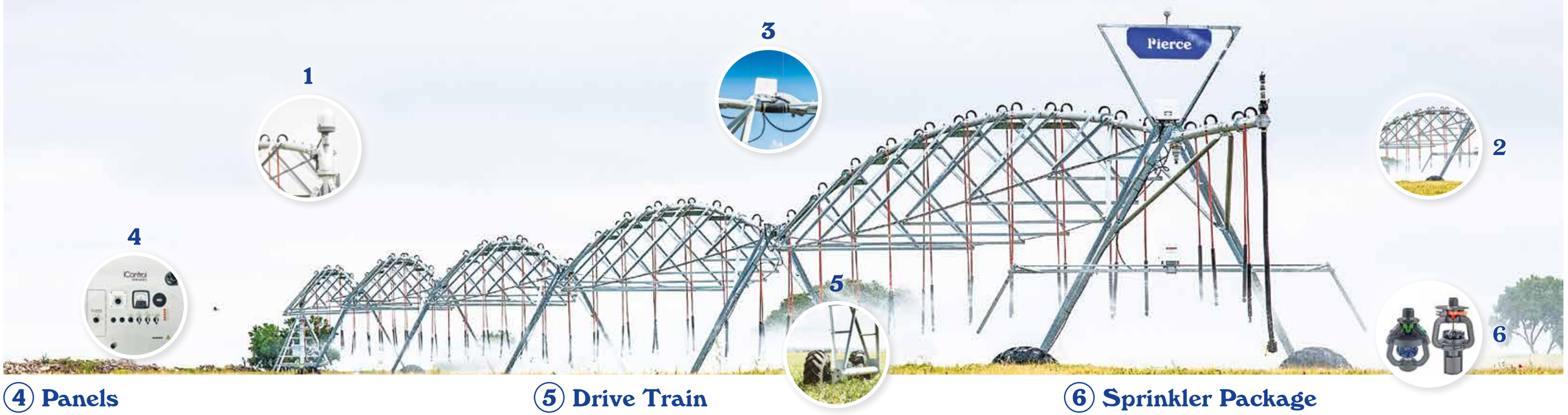
OPTIONS: PERMAPIPE available Wide and narrow outlet spacing
Low and high profile available

3 Tower

Designed to resist the stress generated by gradients and maximize roll resistance.

Ball & Socket connection providing stress-free flex for smooth running on rough terrain the spans.

Reinforced legs with 4 crossties and one diagonal brace to secure the structure on the most difficult terrain.



4 Panels

Panels are mounted in a stainless steel enclosure, manufactured under ISO 9001 quality standards, and are operator-friendly and easy to understand.

Incorporate the highest quality electrical components.

Integrate the iControlRemote option.

5 Drive Train

Drive train assembly is specifically designed to meet the challenges of today's longer span lengths.

Each component of gear motor, gearbox, coupler, shaft and wheels is engineered to deliver the torque requirements demanded by your soil and tire combinations.

MOTOR High-strength motors with proven reliability and irrigation duty with an efficiency of 95%

GEARMOTOR High-strength steel gearboxes designed to work under any conditions.

6 Sprinkler Package

The irrigation system includes a complete package of sprinklers to accommodate any type of terrain, crop or weather conditions.

The sprinklers operate at low pressure, uniformly along the entire pivot, reducing operating costs through low operating pressure and efficient water application.

Pressure regulators maintain constant pressure and flow.

Various end gun types are available, as is an optional booster pump.

Center Pivot

Pivot Options

Towable Systems

Movable or towable units are always moved in the direction of the machine itself. The movable pivot rides upon a trolley and the wheels can be set pointing perpendicular to the shaft, for movement.

Permapipe

Permapipe spans avoid corrosion problems thanks to their high-density polyethylene (HDPE) lining along the internal surface of the galvanized pipes.

Pipe lined with HDPE does not require gaskets between flanged pipes because of the unique mold-a-flange technology, which makes sealing an integral part of the liner material.

Fertigation Equipment

Fertigation equipment is comprised of a dosing pump that can be regulated (percentage) and an electrical stirrer, together with the corresponding accessories for injecting the fertilizer into the main water flow.

The most common flows for dosing pumps are 200, 300 and 500 liters/hour, although others are available.

The system can be placed at the head of the water supply or the foot of the pivot.

iControlRemote

iControlRemote is a remote irrigation management product that uses GSM technology to monitor and manage your irrigation systems.

At **www.icontrolremote.com**, you can monitor the current status of your irrigation systems including current end pressure, speed percentage, angle, endgun, total hours running and total hours with water.

Span Length		Diameter	
m	feet	inches	mm
38.38 44.22 50.17 56.11	125'7" 145'1" 164'7" 184'1"	5" 5" 5" 5"	127 127 127 127
38.38 44.22 50.17 56.11 62.05	125'7" 145'1" 164'7" 184'1" 203'7"	6"5/8 6"5/8 6"5/8 6"5/8 6"5/8	168.3 168.3 168.3 168.3 168.3
38.38 44.22 50.17	125'7" 145'1" 164'7"	8"5/8 8"5/8 8"5/8	219.1 219.1 219.1

Overhang Length	
m	feet
1.8 3.7 5.9 7.8	6 12 19.5 15.5
9.6 11.9 13.7 15.5 17.8	31.5 39.5 45 51 58.5
19.7 23.8 25.6	64.5 78 84

Small-Field Pivots

Producing More with Less

Small fields have different needs than larger fields. As a result of these differences, we have designed a cost-effective solution to meet the needs of both the growers and the fields being irrigated.

Small-Field Pivots are a lightweight pivot system especially designed to irrigate small fields with low flow rates saving investment and energy costs and using the Pierce precision and technology.

What are the benefits of new Small-Field Pivots?

- Best irrigation performance with less investment.
- Reduce energy outputs.
- Flexibility, suitable for all kinds of conditions and crops.
- Fully equipped.
- Reliability and strength.

Product Specifications

Feature	Small-Field Pivots
Pivot Point	6-5/8" Small Fields
Pipe	5"
Connection	Internal Ball & Socket
Available spans	Up to 61.87m
Max system length	Non-Towable 812 m Towable 658 m
Alignment	Standard
Tires option	Up to 14.9 x 24
Gearbox	725GB UMC
Overhang	64 m
Maximum Slopes	Up to 15%
Truss rods	5/8" forged heads
Panels	All available
iControlRemote	✔
Towable options	✔

The Big 5 in Small-Field Pivots

1- Pivot Point:

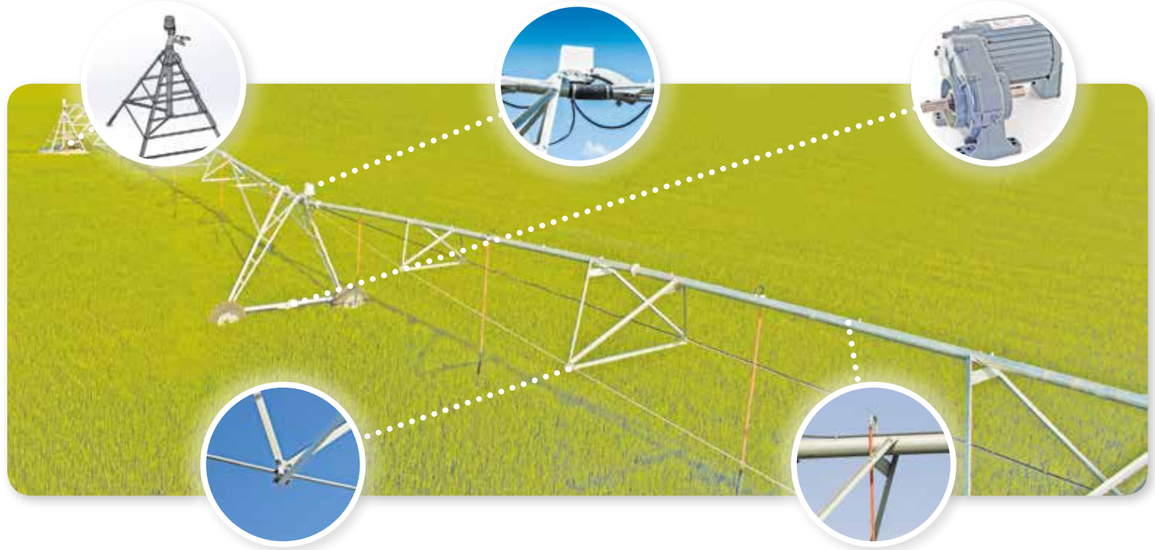
- Lighter legs designed to work with current pivot point options.
- Strong structure due to use of a full set of pivot leg bracing.

2- Ball & Socket Connection:

- Allow movement in any direction.
- Torsional force is not transferred along spans.
- Hook & Eye as an optional.

3- Drive Train:

- Sturdy drive train designed for use with lighter spans and lower cost.
- Standard pivot drivetrain is also an available option.



4- Truss Rod:

- 5/8" truss rod holds the load of the longest span providing a robust structure.
- Maximum yield strength and long-term fatigue life.
- Galvanized truss for excellent corrosion protection.

5- Pipeline Diameter 5":

- A lighter weight pivot with smaller diameter pipe designed to be both strong and compact.
- Minimize the wheel track in heavy soils.

Small-Field Pivots

What is a corner system?

A Corner System is a pivot with a flexible arm mounted on its end that can be extended automatically in order to reach the corners of the field where a pivot alone is unable to irrigate. The entire system is managed by control panels that allow the user to custom configure many of the system's operating characteristics and monitor operating conditions using a user friendly Human Machine Interface.

How does a corner operate?

When the Pivot begins to pass by a corner, the arm begins to unfolds and extend into the corner to irrigate additional ground. During this extension, the sprinkler spacing and runtime durations are adjusted by the control panel as needed to maintain an even application of water under the system.

When is the installation of a corner economically viable?

The decision to install a Corner is determined mainly by the size and value of the area of the plot not being irrigated by the Pivot alone, and is usually used on square or irregular plots.

As an example, a perfect square plot of 61.8 acres, irrigated by a pivot with corner will irrigate 12.4 more acres. That is an increase of 20% of the total area of the field. Thanks to these machines, the previously unused ground under the corner can be irrigated, thus obtaining an increase in the final harvest.

The farmer should consider variables such as:

- The cost of leaving areas of the field unused.
- How much he/she has to spend to install and maintain other systems of supplemental irrigation for these corners.
- The time required to manage the combined irrigation.

Many farmers choose the Pierce corner before any other auxiliary system of irrigation.

What is the function of GPS Guidance on a Corner Machine?

This system provides GPS based guidance of a Corner Irrigation system. Using position information obtained from up to 20 satellites and a local, remote or satellite base station, the machine is automatically guided along the pre-configured path in your field with an accuracy of less than 1 inch (2.5cm).

CORNER
GPSGUIDANCE

Panel Operation:

The GPS Guidance control panel is shipped with the coordinates of your machine's path factory programmed. This allows you to quickly and easily install and commission your GPS Guided Corner System.

The user will be informed live by the GPS: latitude, longitude, distance from the path, latitude error, longitude error.

Wi-Fi Hotspot

Each system comes standard with a Wi-Fi hotspot that allows you to wireless configure and monitor your GPS guidance system using only a web browser and a Wi-Fi enabled device.

Using the wireless interface, you can view all the pertinent information related to your GPS system, make changes to important settings when necessary, and view the status of the system during operation, making operation, troubleshooting and maintenance a simple task.

Why should you use GPS Guidance?

- GPS monitors the pivot's position and steers with pinpoint accuracy.
- No underground guidance wire to bury or maintain.
- Easy start-up.
- User friendly.

Advantages to using our CP600 Corner System

Using variable frequency drives on the corner tower and end tower provides continuous move operation.

Flexibility of the connection between the pivot and the corner prevents the buildup of stress.

Ability to operate safely on slopes; the rolling base is wider and provides more stability for applications in rough terrain.

The Corner extends and retracts, automatically adjusting its water application rate, without any input from the user.

Pierce Corner Features:

- Constant Move End Tower and Corner Span
- Variable Frequency Drive for Motor Control
- Industrial PLC Control with HMI
- Acceleration/Deceleration Sprinkler Package Optimizes Water Usage
- Buried Wire or GPS Guidance
- Unique Linear Slide Mechanism Couples the End Tower to the Corner Span
- 287.5' Maximum Span Length Including Overhang
- Inverter Duty Rated 1.75HP Drive Motors
- Heavy-Duty Drive Train is Corner Rated
- Wide Stance Wheel Base

GPS Corner System

Linear System

Squaring the Circle

Every acre, every drop of water and every kilowatt consumed represents an investment. Optimizing these resources is critical to the success of any farming enterprise, and Pierce Linear systems can help achieve that goal.

Our Linear systems can irrigate a variety of field shapes and sizes. Thanks to forward-thinking engineering, Pierce Linears maximize water-usage through controlled distribution. Studies show they irrigate more than 90% of rectangular parcels while using 60% less water. In addition labor costs are reduced by 50% when compared to flood irrigation methods.

Benefits

- Flexibility. Designed to adapt to a variety of weather, crop and field conditions.
- High uniformity of distribution (up 98%).
- Optimizes water efficiency.
- Maximizes the area irrigated.
- Reduces operation costs.
- Increases profitability .

Spans and overhangs used in the Linear Systems

Linears can be configured with a diversity of span lengths and overhang combinations.

Pipe diameters are typically determined by flow requirements and span and overhang lengths. Permapipe is a recommended option when irrigating with treated waste water or corrosive fertigation elements.

Spans			
Diameter		Length	
Inches	Mm	Meters	Feet
5”	127	38.38	125’7”
5”	127	44.22	145’1”
5”	127	50.17	164’7”
5”	127	56.11	184’1”
6” 5/8	168.3	38.38	125’7”
6” 5/8	168.3	44.22	145’1”
6” 5/8	168.3	50.17	164’7”
6” 5/8	168.3	56.11	184’1”
6” 5/8	168.3	62.05	203’7”
8” 5/8	219.1	38.38	125’7”
8” 5/8	219.1	44.22	145’1”
8” 5/8	219.1	50.17	164’7”

Overhang Length
1.8
3.7
5.9
7.8
9.6
11.9
13.7
15.5
17.8
19.7
23.8
25.6

Modular Components

Our engines, pumps and generators are modular and frame mounted. In addition to a wide selection of engine horsepowers, flow rate and fuel tank capacities, self-priming and self-cleaning options are also available.

Linear Options

Tailored to fit your growing needs

Chart	High profile	Standard profile
	2 Wheels	4 Wheels
	End	Center
Water Source	Hose feed	Ditch feed
Power Source	Power cord	Generator

Two-Wheel Cart

Our Two-wheel Cart is perfect for smaller fields, reducing overall cost per acre.

Four-Wheel Cart

Our Four-wheel Cart is built specially for traction and is capable of handling large diameter hoses for more effective irrigation of larger fields requiring higher flow rates.

Hose Feed

The cart is built to pull. It is capable of handling up to an 8” hose depending on flow requirements.

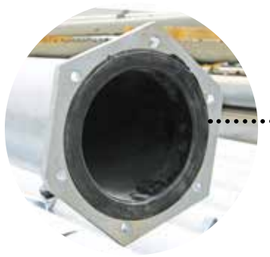
Ditch Suction Feed

This is an alternative for large-scale fields.

System Type	Hose Feed	Ditch Feed
System Length	Up to 1,000m	
Span Diameter	5”, 6-5/8” & 8-5/8”	
Power Source	Generator or Drag Electrical Cable	
Guidance System	Below-Ground Cable, Furrow or Above-Ground cable	
Field Slope	Up to 6%	Flat
Extended Coverage Option	Yes	No

What is Permapipe™?

Permapipe spans provide the solution for corrosion problems in pivot pipes caused by low quality water by lining the internal surface of the galvanized pipes with a high-density polyethylene (HDPE).



Pipe lined with HDPE does not require gaskets between flanged pipes because of the unique mold-a-flange technology, which makes sealing an integral part of the liner material.

New!!

The 3/4" bulkhead outlets of lined system are made of special high-strength polymer where the U-pipe for the sprinkler drop is attached.

Optional stainless-steel pivot point if required.

Applications

Pivot or Linear irrigation with corrosive water due to high salt content and extreme pH.

Available for all Pierce models, new and old, from 6" 5/8 diameter and bigger.

Coating option recommended according to water quality:

	Water Quality		
		GALVANIZED	PERMAPIPE
pH	6,5 < pH < 12	✔	
	pH < 6.5 ; pH > 12		✔
Salts	Cl^- x 0,003 + SO^2_4 x 0,004		
	< 300	✔	
	> 300		✔

Index of corrosion probability (UNE-EN 12.502-3 standard) in fresh water due to different salts and sulfates.

$$B = \frac{[Cl^-] + [NO_3^-] + 2[SO_4^{-2}]}{[HCO_3^-]}$$

B < 0,5 unlikely corrosion
B > 3 likely corrosion

Extended Guarantee !!

Pierce offers a 10 year warranty with full pipe replacement, not including freight, labor or hardware.

Upgrade, Convert & Replace

Would you like to convert the drive unit of your system for better performance? Is your existing pipeline due for an upgrade? Or, perhaps you would you like to add remote monitoring and control to your system in order to reduce labor costs? Our Parts and Service personnel can do all of this for you - and much more.

Installation & Commissioning

The installation process begins with a detailed scope-of-work review to define your installation, site environment and project timeline and ends with getting your system up and running.

Maintenance

Regular maintenance visits are scheduled to assess your system and carry out the replacement or servicing of worn or consumable parts.

Warranty

Our products are guaranteed free from defects in material and workmanship for a minimum of two years or 6,000 operating hours, whichever occurs first.
For Permapipe™ systems, pipes are guaranteed for 10 years.

Dealer Network

Our dealers study the most appropriate solutions to take care of all of your agricultural needs, from design and equipment recommendations to management and financing.

* Supply irrigation systems and parts
* Supervise the running of projects
* Training the customers in the correct use of new technologies.

Our dealers convert your ideas into projects.

Re-Piping

The pipeline is made of hot-galvanized steel and depending on the pH of the water, assumed to be between 6 and 10, can withstand more than 15,000 hours of irrigation without corrosion.

After this period, it is advisable to check the status of the pipe and replace the tubes if needed. We can also supply a wide range of pipe diameters (5", 6 5/8", 8 5/8") to retrofit existing models.

Permapipe is also available for repiping

Drive Unit

Gearmotors

Our high-strength motors are proven to be reliable and are available in a wide range of HP options. Low/medium/high speed are available for helical and vertical motors and covered under our warranty.

Gearboxes

High-strength steel gearboxes designed to work under any conditions.

Wheels

We offer a wide range of tire options from multiple manufacturers suitable for any field conditions.

Standard Tire Sizes	
14.9"x24"	These multiple tire options are available to match your span requirements and soil conditions.
11.2 x 24	
16.9 x 24	
11.2 x 38	
3-Wheel Drive	

Electrical Components

Tower Box

Tower boxes are constructed of heavy wall UV stabilized thermoplastic on a galvanized steel base. Intermediate, next-to-last & last control tower boxes are available for your pivots. Features include: Auto-Reverse, End of Field, Time Delay Relay, Switch & Contactor.

Collector Ring

The collector ring mounts on a stainless-steel J-tube with the exclusive wedge-tight seal for years of trouble free service. It is sealed from the environment to avoid entry of dust and insects. Available with 11 or 13 rings.

Control panels

Interested in replacing an existing panel with one featuring more technological advances?
Control Panel components are available for most existing brands, with features that include: Percentage Timer, Transformer, Hour Counter, Contactors & Relay.

Sprinkler Options

Application of water to best fit your crop needs is critical. That's why we offer the latest in sprinkler packages and end gun options.

The sprinkler package is the array of sprinklers with their corresponding nozzles, as well as any other accessories there might be: pressure regulators, elbows, drops, end gun, dry-wheel, etc.

Products from Nelson®, Senninger® and Komet® are custom configured to your needs and specifications.

SENNINGER

KOMET

NELSON

Control Management

iControlRemote is the state-of-art technology designed to help you easily manage your irrigation systems remotely without changing your existing control panel.

This tool lets you manage your system from any computer, tablet or mobile phone via the Internet using a standard web browser.

It can be used with all pivot brands available on the market.

Fertigation & Pumping Solutions

We can provide a wide range of fertigation solutions from single components to turnkey projects.
- Manual or automatic filtering units
- Galvanized steel discharge and intakes
- Control valves
- Advanced electrical panels

We also offer reliable pumping stations, specifically tailored to meet the needs of any irrigation project.

Options include:
- Vertical turbine pumps
- Submersible pumps and motors
- Horizontal pumps.

Fittings & Accessories

The Pierce Parts and Service Department is on hand to provide a full range of fittings and accessories to ensure your system continues performing smoothly.

Project Analysis

Our specialists study the most appropriate agricultural solutions for irrigating and crop development, taking into account factors such as topography, soil type, climatology, and crop specific needs.

Genuine Parts

We provide a comprehensive inventory of spare parts for your products through our extensive certified distributor network.

iControlRemote

Do you want to monitor and control your irrigation performance remotely?

Our iControlRemote allows you to do it!! Our team of experts will train you on all the advantages that this state-of-the-art technology offers.

Renozzling for Better Irrigation Performance

It is key to select the best sprinklers to suit your crop, field demands and weather conditions. We are continually looking for ways to create the ideal conditions for maximum application efficiency.

The sprinkler package selection is a combination of many factors including flow, pressure, water quality, slope & energy consumption, all of which should be considered during the design stage.

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"The sprinklers operate at low pressure, uniformly along the entire pivot, reducing operating costs through low operating pressure, efficient water application and minimizing losses caused by evaporation, wind drift and surface run-off"

Irrigation Management

Soil Moisture and Weather Station Control

The Soil Moisture Sensors supply data related to water consumption of the crop within the different soil layers as well as well as allowing the ET (Evapotranspiration) data to be calculated in order to determine the required water application rate and optimum time for irrigation.

The Weather Stations, powered by a solar panel, transmit weather data in real time over GSM/GPRS.

- SMS Alarms to alert in case of frost, heavy rain, extreme temperatures.
- Data is uploaded to an online platform in real-time.
- Available historical data and daily evapotranspiration values.

Solid Set Solution

Don't lose even an acre of usable ground! We calculate the best solid set solution for your pivots, corners or small field applicators using professional software designed to optimize your irrigation plan.

Pivot System Evaluation

- Determine the flow & application rate.
- Measure the pressure at the end and at the center of pivot.
- Calculate the distribution uniformity (DU) and uniformity coefficient (CU).
- Parts evaluation to be replaced if needed.

What the Irrigation Application Department can do for you

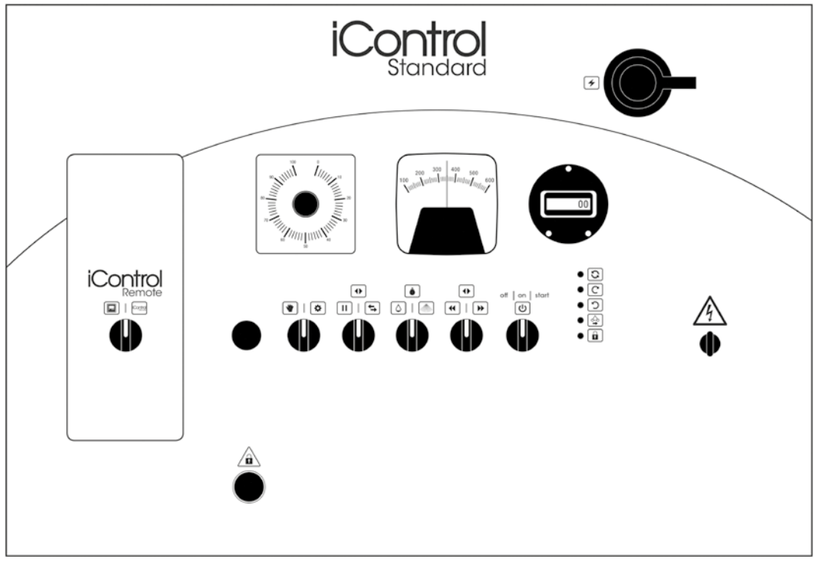
- Help you to reduce water consumption.
- Minimize your operating costs.
- Improve your skills on running and maintaining your pivots with training and field day sessions.
- Consulting across multiple brands in the market.
- Evaluate your pivot status and recommend corrective measures when necessary.
- Our after-sales service ensures your irrigation system performs effectively and efficiently.

iControl

The **iControlStandard** is a complete control panel that enables manual operation control over the classic functionality of a pivot using the switches on the dashboard.

Operator controls are standard electro-mechanical devices which include a voltmeter, hourmeter, and percentimers, and are operated using either push buttons or twist switches.

iControlStandard panels are operator-friendly and easy to understand. They incorporates the highest quality electrical components and most advanced technology to effectively monitor and manage your fields.



Features Table:

Feature	Standard	Option
Main On/Off switch	✔	
Percentage timer	✔	
Manual or automatic start (by voltage)	✔	
Direction of rotation	✔	
Timed 3-second safety stop	✔	
External voltmeter	✔	
Hour meter	✔	
Auxiliary switch (e.g. fertigation pump)	✔	
Stop and/or start by pressure		✔
Stop by temperature (<3°C)		✔
Auto Reverse/Auto Stop system		✔
End Gun control		✔

Each panel is housed in a stainless-steel enclosure.

Functions:

The **iControlStandard** is an easy-to-use control panel that enables the basic functionality of a pivot to be controlled using switches.

- With manual start operation, the machine will begin moving once the Start Switch has been turned to the start position.
- Automatic start operation is designed to start the machine automatically as soon as the power supply is connected.
- Auto-reverse: once the machine reaches the field-end barriers, it will stop and then perform its run backwards.
- Percentage timer: this timer is used to regulate the speed of advance of the pivot, determining in turn the film of water to be applied per cycle.
- The Irrigation control panel has a switch to control the irrigation of the pivot. The options available are fertigation position, irrigation position and the pivot will move without watering.
- Pivot direction sets the direction and enables the Auto-Reverse feature.
- Safety override: iControlStandard is fitted with a manual override for the safety system of the machine.
- **iControlRemote** button supplies the iControiRemote device.

Using the **iControlRemote** switch you can enable or disable remote control of your center pivot.

iControlStandard are designed based on our long experience in the industry, The thousands of panels we've distributed all over the world, and our knowledge of our customers' needs and concerns.

What is iControl EvoTouch?

iControl EvoTouch gives you the ability to control application rates as crops demand, monitor system functions in real time and navigate from a single, remote source.

Housed in a stainless-steel enclosure with built-in WI-FI ACCESS, it is the newest iControl series of programmable panels.

By utilizing the latest in high-resolution touch screen technology, the iControl EvoTouch boasts screen brightness almost twice that of most cell phones.

What makes the iControl EvoTouch a market leader?

iControl EvoTouch has 9 separate water application programs with up to 24 steps per program.

The program also has 9 separate field or end gun programs also with 24 sectors per field.

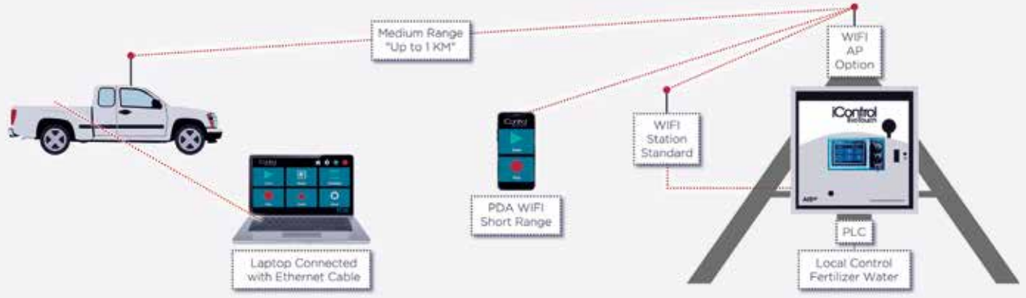
Start, stop, or restart any step without restarting a whole new program cycle.

Pivot heading data for machine control is provided by an Electronic Compass, Potentiometer, or by GPS.

Constantly sensing Magnetic North.

Monitoring and control system saves time and expense.

Edge of Field Control Option:



iControl EvoTouch

Features and Options:

- Full schedule, quick or manual start.
- 24 Section compass heading-to-heading programming.
- Output control of water, fertilizer, end gun and 2 auxiliaries.
- Adjustable analog pressure and flow rate alarms.
- Multi-language, time zone and metric/US measurements.
- Run hours, watering time and calculate total water usage meters.
- Pivot Status, fault reporting, fault logging & IO troubleshooting page.
- Short range Wi-Fi

New added features:

- Industrial grade Siemens Outdoor 7" Touchscreen and Siemens Programmable Logic Controller come together to create an extremely durable and reliable control solution for your pivot.
- Onboard analog inputs allow the addition of a pressure transducer, flow meter, and an encoder option.
- The live pressure and flow readings can be read both locally and remotely using the touch screen or your Wi-Fi enabled device.
- A messaging option allows users to receive email/SMS alerts.
- Control panel can be configured for the Electronic Compass, Encoder, or GPS Heading option.
- User can easily toggle between all available heading sources with the simple touch of a button.
- A messaging option now allows users to configure their panel to automatically alert you via email or SMS when the pivot Starts, Stops, or shuts down due to a fault.

iControlEvoTouch

What's **iControlRemote**?

It's the state-of-art technology designed to easily manage your irrigation systems remotely, without changing your existing control panel.

Our iControlRemote.com website allows you to simultaneously control and manage your irrigation systems remotely. iControlRemote displays your historical operations in a graphic format to help you easily visualize the status of your irrigation systems during the growing season.

Options and Features:

Controls:

- Start/Stop
- Forward/Reverse
- End gun ON/OFF
- Speed %

Programs:

- Programs on weekly calendar.
- End gun control by sector.
- Speed % and Water application depth.
- Auto Reverse or Auto Stop.
- Stop in Slot by Angle.

Monitoring:

- Span position on a terrain Map.
- Machine and end gun status.
- Running direction and % speed.
- End Gun Status.
- GPS and GSM signal.
- Pressure transducer on the last tower.
- Water control (ON/OFF): needs additional device to control pump or valve on the hydraulic networks.
- Solar panel for cable theft alarm when machine is without power during the winter season.
- Weather station.

Alarms:

- Cable Theft Alarm.
- Power lost.
- Low pressure and no water.
- Direction change.
- GPS connection lost.

What are the benefits of using **iControlRemote**?

- Saves you time and reduces operational costs.
- Controls the irrigation performance from your computer, portable or smartphone.
- Easy to use, anywhere and anytime.
- It can be used with all the pivot brands available in the market.

What's **iControlPump**?

iControlPump is the automation and remote management tool for pumping that lets you manage your system from any computer, tablet or mobile phone.

Manage and program the pumping and irrigation processes in a centralized, remote way for all your property from anywhere in the world.

Problem-free connection between the pumping process and the solenoid valves even on irregular land or where there is no mobile telephone coverage. The wireless solenoid valve control modules make installing and removing the system easier and faster.

Features:

- Remote control and automation.
- Start/Stop for electric/fuel/solar pumps.
- Wireless valve control.
- Water and fertigation distribution programming.
- On-screen graphic display of the general status.
- Anti-theft system.

Why using **iControlPump**?

- Pivot irrigation complet automation and remote management.
- Seamless connection between pump and pivot.

What's **iControlTotal**?

iControlTotal is a remote management and automation tool for pumps, solid set, drip and pivots using a PC, tablet or smartphone connected to the Internet.

iControlTotal will improve your profits thanks to increased precision control of the frequency and consistency of the irrigation, water, energy usage and reduced labor costs.

iControlTotal can also take weather conditions into account to help you make the best irrigation decisions.

iControlTotal is a multifunctional product custom-designed according to each field's needs thanks to the expansive available features catalog.

What are the benefits of using **iControlTotal**?

- Remote centralized management and automation including generators, pumps, fertigation, solid set, drip irrigation.
- Total control over costs.
- Wireless sensors.
- Water application and irrigation frequency optimized.
- Real time video surveillance of equipment, crops and premises.

Features:

Remote control and automation

- Irrigation and fertigation are automated.
- Unified irrigation management.
- Power generation management (generator or solar energy).
- Valve solenoids controlled wirelessly.

Monitoring and charts

- Pump control, electro valve status, water flow and pressure, reservoir levels, pump operation, rainfall, etc. can all be combined.
- Data from water/energy meters, pressure/humidity sensors, weather stations, well levels, etc. are seamlessly integrated.
- SMS/email/Internet alerts are automatically triggered following any failure.
- Charts and reports
- Real time information on your smart devices.

Efficiency: Save energy and water

- Pressure pumping regulation monitors.
- Electricity/diesel usage monitoring and precise irrigation.
- For solar pump stations: automated electric valves according to radiation/pressure conditions.

Anti-theft system

- Real-time viewing of the field and warning alarms to your cellular device.
- Supports pan/tilt/zoom cameras.

Optional features (Additional equipment required)

- Weather station and sensors (pressure, water meter, soil moisture, salinity, pH, etc.)
- Automatic evapotranspiration calculation for each crop.

iControlTotal

iControlTotal is a product developed by Proxima Systems for AlSco.

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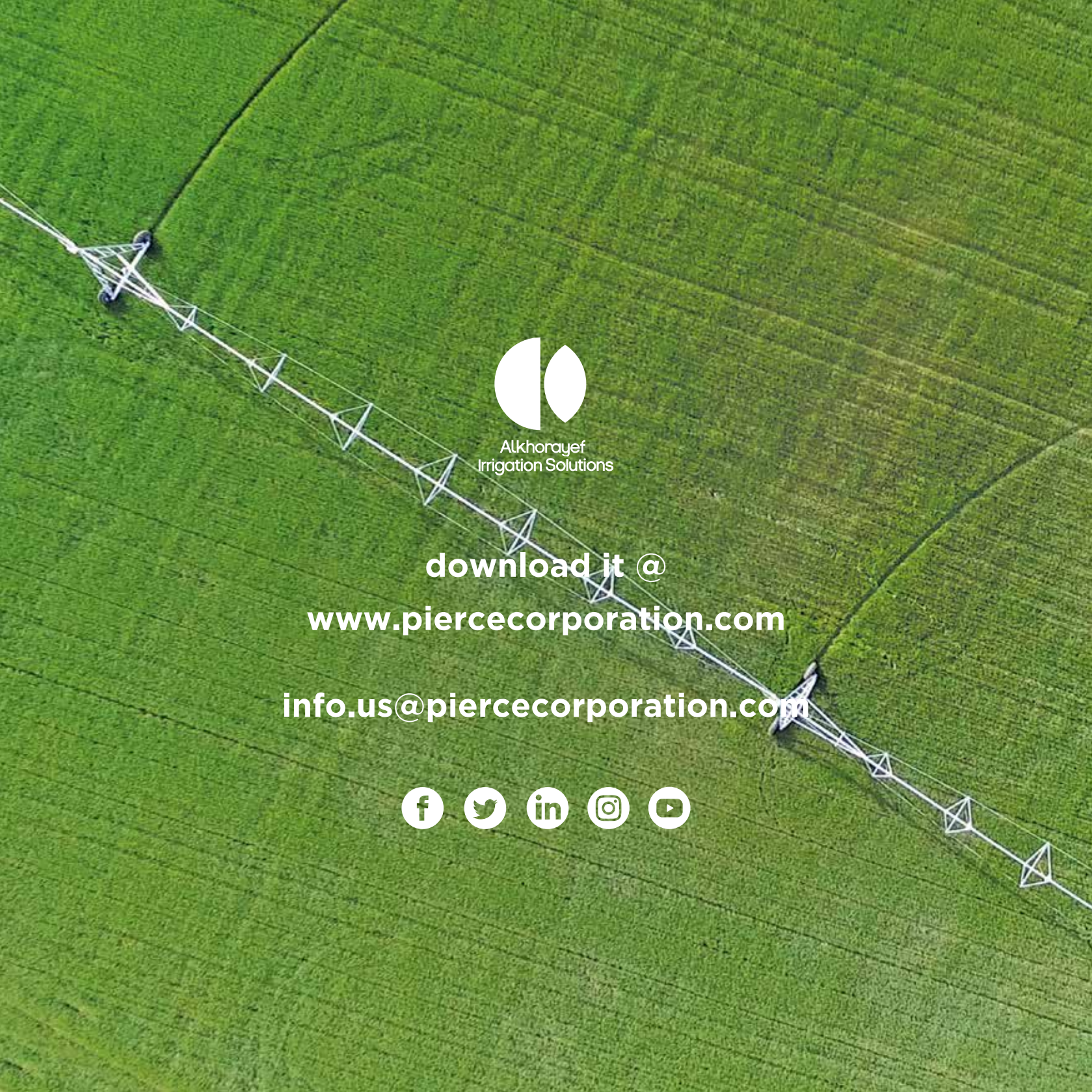
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