

A Heritage of Irrigation Innovation

2020 marks our 10th decade of partnering with the world's ag producers.

For nearly 90 years, Pierce has stood at the forefront in the design and manufacture of innovative irrigation. Each system and component is inspired and engineered to improve our customers' potential.

As demand for yields increases, so too does the challenge to remain a leader in technological innovation.

Pierce
CENTER PIVOT
SYSTEMS

Pierce

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Pierce Irrigation Systems reserves the right to modify component design and/or their capabilities at any time without notice. Structural alterations and or specification changes may result. ©2019 Pierce Corporation • All rights reserved • Litho in USA

CENTERPIVOT
CP600

The Latest Engineering Success
in Our Center Pivot Line



If you find our history impressive...

Just Wait 'Til You See What We've Planned for the Future

Since R.H. Pierce founded the company in 1932, Pierce has continued to build a rich history of commitment to innovation and technology.

During that time, Pierce has pioneered and advanced center pivot, linear, micropivot and control technology. Our reputation is based on manufacturing well-engineered systems that allow today's ag producers to increase yields while conserving the Earth's resources.

Our long history is a tribute to our way of doing business as well as to each and every grower choosing Pierce Irrigation Systems.

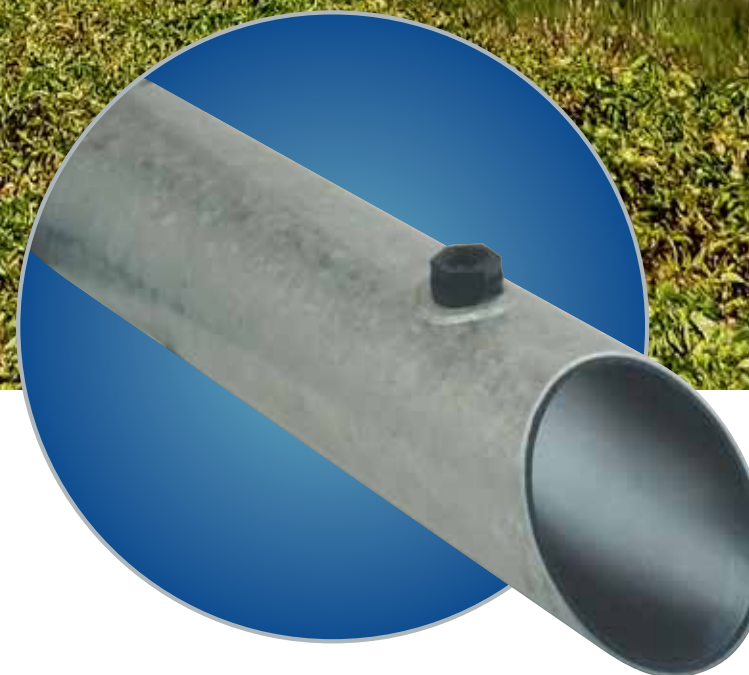
Pierce

To meet the varying demands of crops, terrain, and water quality, our CP-600™ can be configured with multiple types of sprinkler packages, various span and overhang combinations, as an all-galvanized system, or a galvanized structure with POLY-LINE™ pipe components.



"On my farm I have 20 Pierce machines. After 30 years, I have found them more trouble-free than my other brands. The Pierce machines are easy to operate, and require minimal service."

*Blaine Benson
Benson Farms of Idaho*



POLY-LINE™

Our poly lined pipe is designed as an alternative to our standard hot-dipped galvanized pipe. POLY-LINE™ combines a tough galvanized exterior with a durable polyethylene liner to eliminate problems caused by acidic, corrosive or saline water.

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Expect Greater Yields from Your Fields

Optimizing the Earth's resources— after all, it's where we do our best work.

The Pierce CP-600™ is the thoroughbred of the industry when it comes to large-scale pivot irrigation.

The ultimate goal of today's ag producer is to effectively generate greater yields from every acre. To help achieve this, you need the right irrigation system. A system that makes the best use of available resources, as well as offering peak performance in all types of applications and conditions. With over 85 years of experience, Pierce engineers have the know-how to meet those challenges.

The CP-600™ has been designed and field-tested for durability and features pace-setting advances available only with Pierce-built systems.

iCONTROL REMOTE PANEL



The Pierce iControl Remote unit manages and programs your pumping and irrigation processes including direction, speed percentages and length of application for your entire farm from anywhere in the world using your computer, laptop or smartphone.

WIDE-STANCE PIVOT POINT



Standardized dimensions to retrofit many existing pads. Constructed with extra cross-ties to support spans up to 203.5'. Features include galvanized removable elbow and Pierce Conduit Seal.

ROLL-RESISTANT TOWER



Tubular compression and diagonal force braces, a suspended span-to-tower attachment, and a lower center of gravity provide greater tower strength and roll-resistance.

TRUSS GUSSET



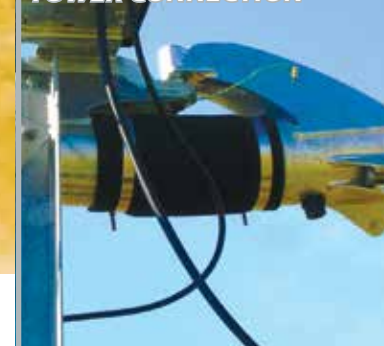
Galvanized truss gussets at the truss support apex evenly distribute torque forces enhancing strength and stability.

TRUSS JOINER BRACKET



Rugged truss joiner bracket design provides superior clamping force and features radiused truss rod heads on all transition points, reducing stress concentrations.

TOWER CONNECTION



Welded ball joint and tapered weldments provide stress-free flex for smooth running on rough terrain. Since the joint is entirely outside the pipe, there is no obstruction of water flow.

HIGH FLOTATION AG TIRES



Pierce offers a wide selection of durable, high flotation tires in sizes and tread designs to complement span lengths, and match terrain and field conditions. Tire sizes are listed on the following page.



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Check out the latest electrical and mechanical innovations of the pace-setting CP-600™.

Our top performing Center Pivot System is an example of perfecting one aspect to make the entire unit better. Whether it's controlling irrigating dynamics and evaporation, or components essential to drive the system, Pierce engineers have done their field work.



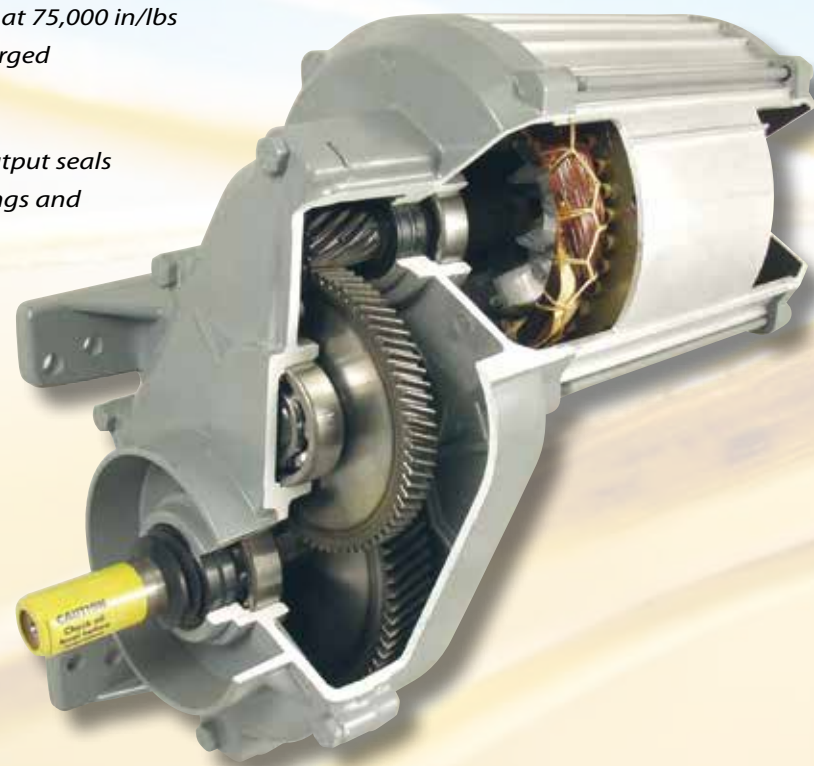
Pierce Advantages That Continue Meeting Your Growing Needs

DRIVE TRAIN ASSEMBLY

The CP-600's™ drive train assembly is specifically designed to meet the challenges of today's longer span lengths. Each component is engineered to deliver the torque requirements demanded by your soil and tire combinations.

Final Drive Features

- Peak torque rated at 75,000 in/lbs
- Dual input, hot-forged steel worm gear
- 2 1/4" output shaft
- Dual input and output seals
- Large input bearings and reinforced housing
- Stainless steel bellows-type expansion chamber



CENTER DRIVE

Hardened helical gear and all-aluminum gear case and motor housing provide years of reliable service. Also included:

- Available ratios 50:1, 40:1, 30:1 and 20:1
- Irrigation duty with 95% efficiency
- Class F insulation

DRIVELINE COUPLER

- Heat-treated aluminum construction, self-aligning design and UV/chemical resistant urethane inserts

HIGH FLOTATION AG TIRES

Multiple tire options are available to match your span requirements and soil conditions.

Available in 11.2 x 24, 14.9 x 24, 16.9 x 24, 11.2 x 38.



CONTROL PANELS

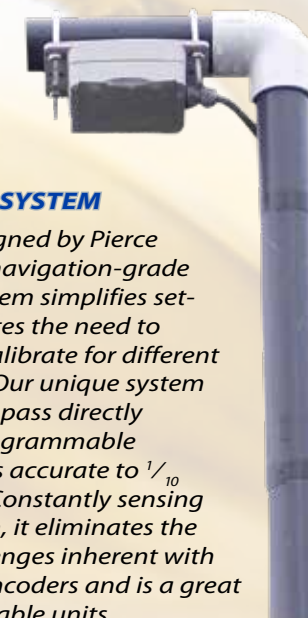
Industrial-quality panels are offered in standard enamel-coated or optional stainless steel enclosures on both the Pierce Programmable Controller and the electro-mechanical controller (shown above). Pierce incorporates the highest quality electrical components and most advanced technology in their control packages.



Our standard electro-mechanical control panels are operator-friendly and easy to understand.

DIRECT ALIGNMENT POSITIONING SYSTEM

Exclusively designed by Pierce engineers, our navigation-grade positioning system simplifies set-up and eliminates the need to constantly re-calibrate for different field positions. Our unique system works off a compass directly wired to the programmable controller and is accurate to 1/10 of one degree. Constantly sensing magnetic North, it eliminates the tolerance challenges inherent with conventional encoders and is a great addition to towable units.



COLLECTOR RING

Our industry-standard collector ring is sealed from the environment. Located above direct spray from water, the collector ring mounts on a stainless steel J-tube with the exclusive wedge-tight seal for years of trouble free service.

TOWER BOX

The tower box is constructed of white, heavy wall UV stabilized thermoplastic with a galvanized steel base. Features include a stainless steel cam shaft and adjustable, moisture resistant directional micros. The rigid base and oversize cam spring enhance machine alignment characteristics to reduce structural stress.



SPRINKLER OPTIONS

Application of water to best fit your crop needs is critical. That's why Pierce offers the latest in sprinkler packages and end gun options. Products from Nelson®, Senninger®, and Komet® are custom configured to your needs and specifications.