Valley® Product Catalog

RELIEABLE
DURABLE
PRECISE
ADVANCED
RESPONSIVE
The Valley brand leads the world in precision irrigation and is the founder of the industry

The Valley brand of center pivots, corners and linears:

• is chosen 2-1 over competitor brands
• has the lowest total cost of ownership
• has a widespread product distribution network with 7 manufacturing facilities and 5 parts distribution centers worldwide
• is backed by the most knowledgeable dealers in the industry
• is run by the strongest gearbox which is the only irrigation gearbox Made in the USA
• has a higher resale value than competitive machines

Valley offers not only the best machine but also innovative technology

Valley irrigation technology:

• offers the most advanced control and monitoring technology for irrigation equipment
• can be utilized on a variety of mobile devices
• includes the BaseStation product, an industry exclusive, that allows monitoring and control from a few to hundreds of center pivots

Valley has the most extensive dealer network and the most responsive, factory trained technicians

Valley irrigation dealers:

• are equipped with product training
• can be relied upon to provide you with fast, reliable service
• have knowledge of irrigation and local agricultural practices
# Table of Contents

- Center Pivots ............................................................................ 4
- Smaller Field Options ............................................................... 6
- Linears .................................................................................... 7
- Corners ................................................................................... 8
- Benders and DropSpan ............................................................. 9
- Reliable Drive Train ................................................................. 10
- Durable Structure ................................................................... 12
- Control Panel Options ............................................................. 14
- Advanced Control Technology ................................................... 16
- Variable Rate Irrigation ............................................................ 18
- Water Application .................................................................... 19
- Pipeline Solutions ................................................................... 20
- Floatation Solutions ................................................................ 21
- Water Management Solutions ................................................ 22
- Conversions / Upgrades ............................................................ 23
- Worldwide Leadership ............................................................. 24
The top-of-the-line, Valley 8000 series was engineered for long durable life and has been field tested to handle the most demanding terrain and operating stresses any machine could experience. Take advantage of the benefits this machine has to offer such as: the longest span in the industry at 225’ and options to ensure maximum field coverage, such as bender and corner products.

Valley has developed a standard, accelerated life cycle test based on past field performance for both Valley and competitive spans so you can see how they match up. This test subjects the spans to conditions that the span could experience on rough ground with large tires. The span with the longest cycle test life can be expected to last the longest in similar field conditions.

These test results shown to the left were certified by an independent professional engineering consultant and prove Valley spans on average last 5 to 6 times longer than our closest competitors’ spans.

8000 series Specifications
- 6 5/8", 8", 8 5/8" or 10" pivot point options
- 6", 6 5/8", 8 5/8" and 10" pipe diameter options
- 2, 5 or 7.5 HP booster pump
- Maximum machine length up to 24 spans covering 2800’

Structure Options for Different Crop Heights

Standard Profile Drive Units
- Clearance: 9’ 4” – 10’ 0”

Low-Profile Drive Units
- When standard clearances are not required
- Low-Profile clearance: 6’ 2” – 6’ 5”

*Actual clearances in the field will vary based on wheel track depths, span lengths, field terrain and various operating conditions.

The most durable pivot in the industry, and now the LONGEST span in the industry at 225’!
Engineered and developed as a cost-effective irrigation solution for growers looking for choices, the Valley 7000 series is second only to the industry leading Valley 8000 series for reliability, durability and overall performance.

**7000 series Specifications**
- 6 5/8” or 8” pivot point options
- 6” and 6 5/8” pipe diameter options
- 2 or 5 HP booster pump
- Maximum machine length of 1500’

**VS-7000 Gearbox**

The VS-7000 gearbox is a high quality, durable gearbox offered at a lower price point. Many of the features that make Valley gearboxes the industry’s leader are included, such as ductile worm for longer gear life and extended output shaft for improved seal life. The VS-7000 gearbox has proven to be the second best gearbox in the industry.

VS-7000 Gearbox and Classic Control Panel options are only available on the 7000 series

**High-Profile and Ultra-High Profile Drive Units**
- Provide increased crop clearance
- High-Profile clearance: 13’ 0” – 13’ 3”
- Ultra-High Profile clearance: 16’ 3” – 16’ 6”

An economical solution for your operation!
Smaller Field Options

Valley® 5000 series

The Valley 5000 series has been developed to provide a cost effective irrigation solution for smaller fields up to 60 acres. This durable machine was created specifically for production agriculture and comes with the reliability and aftermarket support that only Valley dealers can provide. The Classic control panel is available for the 5000 series basic operations.

5000 series specifications:
- 5” diameter pipeline
- 820’ maximum machine length
- 108” outlet spacing
- 112.5’ – 202.5’ span lengths
- 1HP booster pump option
- Single-phase power option
- One towable design option uses a 3-point hitch for easy towing with a category 2 or 3 tractor hitch

Single Span Spinner Drive

The Valley Single Span Spinner Drive is designed to address the needs of those of you with small fields or limited access to electricity. This single span pivot is driven by water pressure and offers all of the structural and mechanical advantages of any Valley center pivot.

Single Span Engine Drive

The Valley Single Span Engine Drive is the ideal option to irrigate small fields, up to 6 acres, wherever electric power is not readily available. All sprinkler packages are available to deliver efficient water applications with low water pressure, providing significant energy, labor and water savings.

Towable Pivots

Valley towable pivots provide another solution for those who have a need for irrigation on their smaller production ag fields. Because these machines can be moved from one field to another, you can economically irrigate more acres with one center pivot. Towable options include: Quick Tow, Skid-Tow, 2-Wheel E-Z Tow, and 4-Wheel E-Z Tow.

Valley has the right machine for every field!
Valley Linears

Valley Rainger™
Based on a common cart platform, the Valley Rainger cart may be equipped to take water from either a ditch or a hose. The cart can also be customized by adding options, such as chemigation and fertigation tanks.

Valley Rainger Swing-Around™
The swing-around option of the Valley Rainger Linear can be configured to cover a wide range of field widths. The linear spans rotate around the cart 180 degrees, which provides an economical solution that gives you the opportunity to more than double the amount of land irrigated with one machine.

Valley Universal
The Valley Universal Linear is designed for swing-around applications. Unlike other swing-around linears, the Universal can be programmed to automatically switch between linear mode and pivot mode, allowing you more time to attend to other aspects of your operation.

Valley Two Wheel Hose Feed
The Two Wheel Hose Feed Linear from Valley is an ideal conversion option for fields currently irrigated by flood, drip or solid set. This versatile machine may operate as a standard linear, towable or swing-around.

Valley Two Wheel Ditch Feed
The Valley Two Wheel Ditch Feed Linear can take advantage of either permanent earthen water delivery infrastructures or earthen ditches that are installed annually. This linear is ideal for small fields, as it can either be towed or swung around to cover more area. A flexible suction will keep the investment costs low by fitting nearly any functioning earthen ditch.
Valley Corner Machines

Valley corner machines help you earn extra income from the land you already have. No matter what crops you raise, corners take acres that have previously been without irrigation and put them into production—for far less than the cost of acquiring more land.

For example, on a square quarter-section, a Valley corner machine enables you to irrigate an extra 23 acres that a center pivot alone can’t reach. On odd-shaped and irregular-shaped fields, you can add as many as 49 extra acres. On rectangular fields, the machine can swing out to pick up both ends, adding an extra 37 acres.

VFlex Corner

The VFlex Corner was designed for those of you who want options! This corner machine is completely customizeable and was developed utilizing input from growers like you. Unlike any other corner on the market the VFlex can be built to fit your needs in the field.

- 6” 8000 span means durable structure with less weight on the drive unit for reduced steering loads
- Completely redesigned track-and-roller joint with larger roller and new wear plates for improved durability
- Wide “T-Bar” mounted cradle for stability in high winds
- New Steerable drive unit design with dual tower supports for industry-leading strength and durability
- Available on 7000 and 8000 Series

Valley Precision Corner

The Precision Corner is perfect for those of you who want precision in your corner water, chemical and fertilizer application. This machine has earned its name because of the precise way it can irrigate your corners utilizing the patented Water Utilization Package.

- Fixed Ball-and Socket joint means no rollers to grease
- Has the ability to operate in a “leading” or “trailing” mode to best fit the field
- Long span lengths provide greater coverage of your fields
- Optional, patented Water Utilization Package with constant move variable frequency drive improves uniformity because of a faster extension rate
- Chemigation switch simplifies chemical application
- Available on 8000 series

Water Utilization Package™ (available on Valley Precision Corner only)

When you have a water utilization package, additional solenoids control 22 more sprinklers for maximum water application uniformity in select corner areas as shown by the darkened areas in the photo to the left. This product delivers the required water to maximize crop yields for the entire field.

Contact your Valley dealer about water application solutions for your field!
Valley Benders

The Bender options were introduced to maximize irrigated area. The Bender30™ and Bender160™ allow the outer portion of a pivot to continue moving while the inner portion is stopped by fences, trees and other obstacles. With the Valley Benders you receive improved water application while maximizing your irrigated acres because of the exclusive speed-up timer which can be set to increase the speed of the center pivot up to 100% to reduce over watering while bending.

Bender30™

- Bends up to 30 degrees in either direction
- Utilizes existing structural components – easy to retrofit to an existing center pivot
- Multiple Bender30 units can be installed on one pivot
- Exclusive speed-up timer from Valley helps improve water application performance while bending

Bender160™

- Bends up to 160 degrees in either direction
- Utilizes custom structural components
- Multiple Bender160 units can be installed on one pivot
- Exclusive speed-up timer from Valley helps improve water application performance while bending

Valley DropSpan

The Valley DropSpan utilizes custom structural components and allows the outer spans of your center pivot to be “dropped” from the machine which allows you to pick up additional acres that are adjacent to large obstructions at the edge of the field. The spans can be dropped or re-attached by one person without tools in less than 15 minutes!

Features

- Large platform for easy access
- Optional second end gun
- Large, easy-to-access coupling with tethered plug
- Simple electrical connector manages span cable and control logic; No re-wiring needed
- Simple winch and batten leg system to drop and re-attach outer spans
- Stop switch automatically aligns base machine with dropped spans for easy re-attachment

NEW! Valley DropSpan allows you to irrigate EXTRA acres!
Reliable Drive Train

The patented Valley Gearbox is designed and built in Valley, Nebraska, USA. It is constructed to work under today’s most demanding conditions.

Valley Gearbox… American Made. Valley Strong.

- **Large capacity rubber diaphragm** — expands with heat and pressure to minimize water condensation.
- **Input and output bearings** — American made and case hardened to provide the highest quality and load rating available in the industry.
- **Worm gear** — high strength ductile iron provides significantly longer wear life than steel when combined with a cast iron bull gear.
- **Tooth design** — industry exclusive 25° tooth angle provides 40% longer life and better reliability in tough conditions compared to normal 14½° tooth designs.
- **Largest bull gear neck and keyway** — for strength in critical load-bearing area.
- **All these factors add up to one thing** — the best quality gearbox in the industry, giving you long, trouble-free economical equipment life.

**Expansion chamber** — cap made of corrosion resistant cast aluminum; rubber diaphragm allows oil to expand and contract during operation. Vented cap prevents pressure buildup, prevents seal from leaking.

**Threaded endcap** — allows accurate bearing preload to increase bearing life.

**52:1 gear ratio** — full recessed tooth design keeps oil engaged between gears.

**Bull gear** — high strength cast iron provides the highest load capacity in the industry and longest life. Optional bronze gear is available for extreme conditions.

**Multi-viscosity gearbox oil** — exceeds 85w140 GL5 oil for long gear wear under extreme load conditions.

**Longest output shaft (steel)** — exclusive to Valley gearboxes. Provides extra clearance between the gearbox and wheel flange, reducing mud buildup, resulting in reduced seal damage and extended gearbox life. Special offset rims position the tire back close to the gearbox to minimize bearing loads... another Valley exclusive.

---

**Center Drive**

The Valley Center Drive is built stronger, lasts longer and uses less energy than other irrigation drive motors. Standard-speed and high-speed motors are available, with the standard-speed requiring the least amount of power in the industry.

- **Double output shaft seals** — Keeps oil in the motor and prevents dirt from entering the motor.
- **Built-in crop guard over U-joint** — Prevents crop wrapping in or near oil seals.
- **Case-hardened steel helical gears** — More teeth in mesh at all times for smoother power transmission.
- **Exclusive coating** — Applied to internal surfaces to prevent corrosion.
- **Finned aluminum housing** — For cool-running efficiency. Operates at temperatures lower than competitive motors.
- **Exclusive trapped gasket** — Ensures a water-tight seal.
- **Single-phase electric option** — For locations without three-phase power.
VS-7000 Gearbox – 7000 series

Input and output bearings — Chinese through-hardened bearings.

Worm gear — high strength ductile iron provides significantly longer wear life than steel when combined with a cast iron bull gear.

Tooth Design — 141/2° tooth angle

Expansion chamber — large open volume to minimize internal pressure changes with temperature changes.

Shims used to set bearing preload.

52:1 gear ratio — full recessed tooth design keeps oil engaged between gears.

Long output shaft — exclusive to Valley gearboxes. Provides extra clearance between the gearbox and wheel flange, reducing mud buildup, resulting in reduced seal damage and extended gearbox life. Special offset rims position the tire back close to the gearbox to minimize bearing loads...another Valley exclusive.

*Only available on 7000 series
Available in US and Canada only

VS-7000 – Center Drive*

The VS-7000 center drive offers the performance you have come to expect from Valley but at a lower price point. The VS-7000 is similar to the original Valley center drive except that the VS-7000 has a corrosion resistant painted steel housing.

- Same performance specifications
- Same helical gearbox
- Same amp draw
- Same torque rating

* Not available on the 8000 series. Only available in US & Canada
Durable Valley Structure

From pivot point to end tower, the entire Valley structure is engineered, constructed and field-tested to handle the operating stresses that your machine may experience in its lifetime including rough terrain, furrows and long-span machines. Valley machines consistently outperform the competition in safety, durability and strength, giving producers the most valued products the industry has to offer.

With these features you can rest assured that you have the most durable structure:

- Hot-dip galvanized steel
- 4-leg drive unit with braces
- Ball-and-socket span hitch
- Heavy 8-bolt pipe flanges
- Welded sprinkler coupler
- Full wrap-around weldments
- Forged truss rod heads
- Polyurethane flange gaskets
- Evenly loaded spans
- Short extender pipes are never used to achieve span lengths

Valley Spans

When making decisions that may affect yields and operation, look to Valley to provide the structural strength you need to achieve maximum productivity. Valley spans continually and consistently outperform the competition.

- Pipe diameters of 5", 6 5/8", 8 5/8" and 10"
- Span lengths from 142’ – 225’
- Galvanized steel comes standard
- PolySpan® pipeline available for corrosive conditions

Fixed Pivot Points

Fixed pivot points offer maximum platform durability and are available in four sizes to fit your needs.

6 5/8" Pivot Point
- Designed for pivots up to 1,300’ long
- Low and standard profile available

8 5/8" Pivot Point
- Designed for pivots up to 2,800’ long
- Low, standard, high and ultra-high profile available

10" Pivot Point
- Designed for pivots up to 2,800’ long
- Standard and high profile available
Stainless Nipples
Helps protect your investment by ensuring durability and sealing at low pressures.

Lateral and Radial Welds
Additional strength from welding makes the machine more reliable.

Truss Rods
Large transition radius and uniform loading rod heads mean a lower concentration of stress and longer machine life.

Drive Unit Legs
Designed to carry uniform loads and provide machine stability.

Leg Attachment Brackets
These fully wrap around at each drive unit, which helps provide machine efficiency.

Truss Rod Sockets
Offer more machine strength and stability as a result of evenly loaded truss angles and forge-formed truss rods.

Ball and Socket Hitch
The single piece forged steel ball ensures smooth machine movement in all directions and less stressful rotation. This design helps lengthen a machine’s lifespan.

Sprinkler Outlet
The welded coupler strengthens the pipeline around the water outlet and minimizes pressure loss. This design provides better support to u-pipe and drop pipe installations.

Gearbox
Longer output shaft and offset rim provide clearance between the gearbox and tire to reduce mud buildup and extend seal life.

Valley Electrical Components

Collector Ring
Transfers incoming electric power to the pivot and utilizes a water tight seal. This comes standard with stainless steel electrical conduit to ensure years of trouble-free service.

Span Cable
The span cable options include: 8, 10 and 12 gauge wire for power and 14 gauge wire for control. Standard options include a shielded span cable and color-coded wire for easy service and maintenance.

Tower Box
Galvanized steel base construction with stainless steel shaft and nylon bearing assembly helps ensure long life.
Valley Control Panels

**TouchPro™**

The TouchPro control panel with touch technology is designed to provide you with powerful yet user-friendly control of your center pivots.

- Programming based on date, time, position and other data
- Full-color main screen can be customized
- Designed for easy programming including: load management programming, graphical view of pivot position, end gun and wide boundary positions
- Designed to meet extreme temperatures, high humidity and transient voltage requirements

**Pro2**

The technologically advanced Pro2 control panel gives you a simple set of tools for the highest level of control and monitoring, both in the field and remotely.

- Programmable functions based on date, time and position
- Advanced diagnostics, such as system faults, error codes and logs
- Advanced sensory and auxiliary functions
- Backlit screen and keypad come standard
- Available with Tire Pressure Monitoring System (TPMS) and Variable Rate Irrigation (VRI) Speed Control and Zone Control
- Comes standard with a patent pending Valley exclusive, Cruise Control, which allows automatic speed adjustment of your center pivot

**Select2**

With its programmable features, the Select2 control panel incorporates the same field-proven processor technology as the Pro2.

- End gun, stop-in-slot and auto reverse set in the panel
- Field sector controls to change water application for different crops or soils
- Auto restart on power, pressure or both
- Pivot position reporting
- Backlit screen and keypad come standard
- Available with VRI Speed Control
- Has the capability to read the flow meter

**AutoPilot Linear**

The AutoPilot Linear control panel displays the position and direction of travel of the linear machine, allowing you to program linear operations based on those readings.

- Ability to change percent speed timer
- Turn primary and secondary end guns on/off
- Can program to change direction and stop
- Start/stop chemigation based on linear’s field position
Global Positioning System (GPS)

GPS Guidance

- Available with linears and corners
- Eliminates the need for below-ground, above-ground or furrow guidance options
- Can easily program the field map with the custom Valley mapping tool to best match changes in farm practices or field boundaries
- Diverse platform is compatible with John Deere® Starfire RTK corrections and Trimble® RTK correction networks

GPS Position

- Available with center pivots and linears
- Allows the grower to gather accurate data about the machine's position
- Can program control panels to more accurately apply different levels of water and crop protection/fertility products
- Is compatible with the NovAtel GPS receiver, which is a dual channel and does not require a correction to achieve +/- 10 feet
- Water is applied more efficiently offering a high yield potential and lower input costs
- Requires a GPS Ready TouchPro™, Pro2, Select2 or AutoPilot Linear control panel

ClassicPlus

The ClassicPlus control panel offers easy-to-operate switches for manual operation.

- Mechanical auto reverse
- Mechanical pressure switch to monitor for low pressure
- Percent timer dial to control application
- Optional mechanical switches to set pivot direction
- Can be upgraded to Valley Pro2, Select2 or AutoPilot Linear

Classic

The Classic control panel offers the lowest initial investment and provides push button, manual operation. It is designed for center pivots only.

- Push button operation
- Percent timer to control water application
- Optional mechanical switches to set pivot direction and monitor for low pressure
Advanced Control Technology

**Valley® BaseStation2-SM**

The most advanced and complete remote irrigation management in the industry from Valley Irrigation combines the ability of remote monitoring and control with monitoring of soil moisture status of center pivot and linear irrigation equipment. The BaseStation2-SM is a dedicated, centralized irrigation management system for your computer, custom-designed for your operation.

- Control and monitor one to hundreds of center pivots or linears from your computer, Smartphone or tablet
- Check pivot status and monitor soil moisture
- Generate reports that give you year-to-year comparisons
- Voice call-out
- Updated linear mapping function includes drawings of hydrants, swing-around function, hose feed and ditch feed
- Remote monitoring allows you to monitor all pivots on one screen to see an at-a-glance view of your pivot status
- PumpLink (Auxiliary Link) allows you to monitor data from a variety of pumps, sensors, valves and other electrical components
- PanelLink allows you to use BaseStation2-SM with non-computerized Valley control panels and non-Valley panels

**Soil Moisture Monitoring**

- Irrometer® WATERMARK® soil moisture sensors allow irrigation scheduling to avoid over or under watering the field
- Allows you to read the level of moisture present within the soil at various depths
- The Irrometer screen within BaseStation2-SM shows soil moisture information for all of your fields where sensors are installed
- View more detailed readings and history a user can simply select the sensor and view the water graph software provided by Irrometer

Be everywhere at once with Valley BaseStation!

You can remotely monitor and control one to hundreds of center pivots and linears from your computer, Smartphone or tablet with BaseStation!

Contact Valley Irrigation for your FREE BaseStation2-SM demo.

*iPhone® and iPad® are registered trademarks of Apple Inc., registered in the U.S. and other countries.*
No more driving long distances or going through fields in the middle of the night to check or stop your irrigation equipment. With Valley TrackNET®, the family of Tracker products, you can remotely communicate with your center pivots and linears via Internet, Smartphone, mobile phone or tablet, significantly decreasing costs and wasted time. View the Tracker demos at www.ValleyTrackNET.com

TrackerLT
- Can be used on most brands of center pivots
- Utilizes GPS Position for programmable end gun and stop-in-slot positions
- Stops pivot
- Monitors direction, position and water pressure (pressure transducer required)
- Creates and sets the speed for up to 9 sectors with the Independent Speed feature
- Variable Rate Irrigation (VRI) Speed control capable

TrackerPro
- Designed specifically for non-Valley, Valley Classic and Valley ClassicPlus control panels
- Allows the integration of Valley and non-Valley panels into the same management system
- Monitors machine status and allows you to control start, stop and directional changes remotely
- Variable Rate Irrigation (VRI) Speed control and GPS Position capable
- Programmable features: sector programming, application depth, end gun control and stop by position or time

TrackerSP
- Can be used with the TouchPro™, Pro2 and Select2 control panels
- Reviews field diagnostics
- Monitors most remote features, including application depth, diagnostics, end guns and field position
- Controls start/stop, water on/off, direction and auxiliaries
- Communicates via cellular path
- Limited functionality with linear machines
- Programmable features: sector programming, application depth, end gun control and stop by position or time

Never miss a beat with TrackNET!
TrackNET allows you to utilize your Smartphone and the Internet to retrieve monitoring and control panel options from Valley Tracker products. To visit the mobile TrackNET website, log onto http://m.ValleyTrackNET.com.

Log onto ValleyTrackNET.com for a demo of the product line!
Variable Rate Irrigation (VRI) from Valley is ideal for fields with multiple soil types and varying topography. With a combination of hardware and software, Valley VRI allows you to adjust the desired amount of water in a particular sector (VRI Speed Control) or management zone (VRI Zone Control). Irrigation applications with VRI can be programmed to match your field conditions.

**VRI Speed Control**
- The field is divided into a maximum of 180 sectors with optimized water application throughout
- A customized, uploaded VRI prescription speeds up or slows down the center pivot to achieve the desired application depth across each sector
- Used with the Valley Pro2, Select2 or TrackNET products
- Utilizes a new or existing sprinkler package
- Wireless prescription upload capabilities using TrackNET or BaseStation products

**VRI Zone Control**
- The field is divided into over 5000 zones with optimized water application in every zone
- A customized, uploaded VRI prescription pulses the sprinkler control valves along the center pivot zones to achieve the desired application depth
- Can also be used for on/off control for areas in your field that don’t need to be irrigated, such as: canals, ditches and wet areas
- Used with Valley VRI tower boxes and the Valley Pro2 control panel
- Utilizes a new or existing sprinkler package
- Wireless prescription upload capabilities using TrackNET or BaseStation products

Take the learning curve out of the equation with VRI QuickStart (QS) Prescription!

QuickStart is a prescription for Speed Control, custom developed specifically for your field by the Valley VRI Agronomy Team. Talk to your local Valley dealer about your VRI QuickStart options.
Precise Water Application

You can depend on your Valley dealer to help you select the proper sprinkler package based on climate, soil type, crops and topography.

- Sprinkler brands include Valley Senninger® and Nelson®
- Precise, computerized, sizing and spacing of nozzles ensure application uniformity
- Low-pressure sprays operate as low as 6 psi, saving horsepower, energy and money
- Application efficiencies can reach 95%, depending on the design of the sprinkler package
- Additional sprinkler options include: end guns, sprinkler drops, boombacks and part circle sprinklers

**Valley Sprinklers**
- **Valley Low-Energy Nozzle (LEN)**
  - Wide variety of available pads
  - Unique shape for movement through the crop
  - Chemigation and part-circle pads
  - Low pressure operation
  - Single, double or triple deflector pads divide the nozzle flow into larger number of streams

**Nelson Sprinklers**
- **R3000 Rotator®**
  - Features the greatest throw distance available on drop pipes
  - The wide water pattern from rotating streams equates to lower average application rates, longer soak time and reduced runoff
  - More overlap with adjacent sprinklers improves uniformity

**Senninger Sprinklers**
- **Universal Pivot Products Platform (UP3)**
  - This design has been applied to the proven technologies of the i-Wob, Xi-Wob, LDN and Super Spray
  - Easy-clean nozzle – no need to disassemble or remove the sprinkler
  - Integrated base and bracket – no special thread or fittings required

Additional sprinkler options from Nelson and Senninger available through Valley Irrigation.

**Updated Sprinkler Package**

The most important investment you can make.

- New low-pressure sprinkler technology may reduce your energy cost
- Effectively operate sprinklers at 10 – 20 psi
- Provides efficiency and uniformity
- Droplet sizes designed for minimum wind drift
- Replace or add pressure regulators to achieve proper flows from each nozzle
- Valley dealers are highly trained experts in water application and conservation
- Exclusive VChart software can design sprinkler packages for all brands of irrigation equipment

Increase water application efficiency on your machines with an updated sprinkler package!
Corrosion Solutions

Facing Tough Choices?
Do environmental regulations require new treatment options for process water or livestock waste?
Does your water supply contain corrosive chemicals?
Do you add chemicals for crop or soil management?
Valley has the solution for you.

Your Valley dealer will help you decide which solution is best for you. Here are the pipe options available:

- PolySpan®
- Galvanized Steel

Pipe Options
Choose from 6”, 6 5/8”, 8 5/8” and 10” pipe diameters to minimize pressure loss and horsepower requirements.
Now available with the 5000 series only, a 5” pipe option.

Re-Piping – A Low-Cost Solution
- Re-piping is the most economical way to significantly extend the life of your machine.
- Valley offers choices for re-piping:
  - PolySpan - for any corrosive water, crop protection and soil treatment chemicals
  - Galvanized Steel - for a variety of water conditions

Contact your local Valley dealer for a FREE Water analysis!
Valley Floatation Solutions

Stuck pivot towers can cause costly downtime. Valley has the floatation option to help reduce wheel track depth, increase traction and help keep your machines moving through your fields. Different floatation options are needed for different fields. Whether your terrain is rolling or if your soils are sandy, loamy or heavy, your Valley dealer can help you decide which is right for you.

<table>
<thead>
<tr>
<th>Floatation Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Valley 2-Wheel Drive</td>
</tr>
<tr>
<td>• Valley 3-Wheel Drive</td>
</tr>
<tr>
<td>• Valley Track Drive</td>
</tr>
<tr>
<td>• Valley Articulating Track Drive</td>
</tr>
<tr>
<td>• Valley Articulating 4-Wheel Drive</td>
</tr>
<tr>
<td>• Valley Corner Dual Drive</td>
</tr>
</tbody>
</table>

Valley Wheel Options

**Tire sizes**

**38" Rim Reinforcement**
Heavy-duty rim standard on 38" tires. Valley adds an industry exclusive 0.3" reinforcing plate to the industry’s standard rim to ensure long life under extreme field conditions.
Non-reinforced rim option available on 7000 series only.

**Heavy-Duty Gearbox**
Optional bronze gear and hardened steel worm provides longer life under severe field conditions.

Non-Directional Irrigation Tires

**Firestone Champion Hydro ND**
Valley is the only center pivot irrigation company to offer these revolutionary tires. Firestone designed the Champion Hydro ND specifically for irrigation applications to increase traction and lessen rutting. The patented, non-directional tread design has equal traction in both forward or reverse directions and no longer requires having both a front and rear tire. Available now in 14.9" - 24" and 11.2" - 38" sizes.

Non-directional irrigation tires are a Valley EXCLUSIVE!
Water Management Solutions

Valley has the ability to provide you with everything you need to support your irrigation equipment. From high efficiency pumping systems to the latest technology in soil moisture monitoring equipment, you can count on Valley to help you get the most out of your investment in irrigation equipment.

Products:
- Pump stations custom engineered and built to grower specifications
- Variable frequency drives which save energy and prolong motor life
- Irrigation information management systems
- Soil moisture monitoring systems
- Simple remote control and monitoring

Services:
- Engineering design of hydraulic systems
- Custom control designs

Cascade Earth Sciences (CES), a Valley Irrigation company, has 35 years of experience solving water and irrigation problems. From aquifer studies to large system design, to obtaining difficult permits – we can help.

Water Supply
- Well design, aquifer studies, treatment systems, dams, fish screens and water rights

Design and Consulting Professionals
- Engineering, hydrogeology, soils, agronomy, construction management and contracting

Data Management
- Water Sentinel® data management software provides detailed reports and analysis for irrigated agriculture (water, climate, soils, crops, etc.)

Wastewater
- Reuse, permitting, monitoring, reporting and design

Ask your local Valley dealer about what Valley Water Management can offer you!
Improve the Reliability of Your Machine

Control Panel Upgrades
Bring Valley technology to all your center pivots and lines
- A new control panel helps eliminate electrical shutdowns
- A minimal investment for a maximum return in reliability
- Four GPS Ready panel choices from Valley to perform advanced control needs
- Control your machine safely and efficiently
- Almost all pivot brands can be updated with Valley control panel technology

Conversions
Gearbox and Center Drive Conversion
- Significantly improve reliability and extend the life of your machine
- Minimal investment for maximum improved performance
- 8 year / 8000-hour drive train warranty for complete conversions
- Complete and partial conversions available including oil hydraulic conversions
- Almost all pivot brands can be converted

Tower Box Conversion
- Substantially reduce electrical shutdowns on older pivots
- High value for a minimal investment
- Proven reliability and durability on non-Valley pivots
- Almost all pivot brands can be converted

Control Options

Modified Alignment
Provides additional alignment sensitivity for your machine. Recommended for machines 1500 to 2000 feet long.

Remote Panel Mount
Locate your panel where it is most convenient.

End of Field Stop and/or End of Field Auto Reverse
Precisely stop or reverse your machine. Both post and skid barricade styles are available.

Fast Service
We Service All Brands: Since the mid-1950s, more than 50 irrigation equipment manufacturers have come and gone. But it’s no problem if you have an “orphan” machine. Valley dealers are trained to service and install Valley parts for most other pivot brands. Our goal is to keep your equipment moving and doing its job—enabling us to earn your business, day after day.

Valley Parts Availability: Valley invests in five factory owned parts distribution centers, to support your needs of fast and reliable service. These centers, along with extensive local dealership parts inventories, ensure that you have parts when you need them most.
Worldwide Leadership

Valmont Irrigation is the world leader in designing and building efficient irrigation equipment for agriculture, industrial and municipal applications. Valley Irrigation founded the mechanized irrigation industry and remains dedicated to providing innovative solutions now and well into the future. The Valley brand has been recognized worldwide as the leader in sales, service, quality and innovation since 1954. With historical sales of more than 200,000 center pivots and linears, Valley Irrigation equipment annually irrigates approximately 25 million acres around the world.