

Valley® Product Catalog



RELIABLE
DRIVE TRAINS

DURABLE
STRUCTURES

PRECISE
APPLICATIONS

ADVANCED
TECHNOLOGIES

RESPONSIVE
DEALERS



The Start of an Industry

Since its founding in 1946, Valmont Industries, Inc., parent company of Valmont® Irrigation, has taken new ideas and turned them into products that meet the growing needs of our customers.

We aggressively participate in two specific markets—food production and infrastructure development—and we are #1 in both.

Valmont Irrigation is the world leader in designing and building efficient irrigation equipment for agriculture, industrial and municipal applications to improve productivity and conserve scarce water resources.

We founded the mechanized irrigation industry and remain dedicated to providing innovative solutions now and well into the future. And Valmont provides full support to our Valley® dealers and agents—and to our customers—wherever they are in the world.



1950-1970



1970-1990



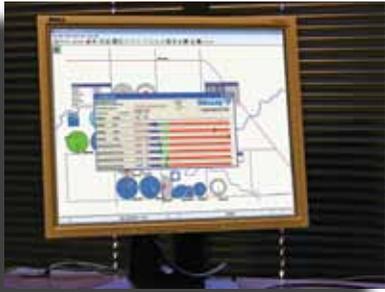
1990-Present

New Products from Valley®



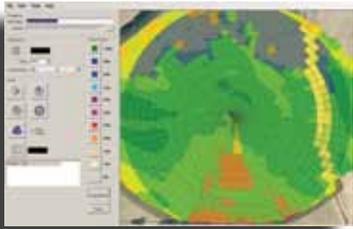
Bender 30...6

Two Wheel Ditch Feed Linear...8



BaseStation2-SM...12

TrackerSP...13



Valley VRI...18

Contents

- Center Pivot 4
- Pivot Points. 5
- Corner Arms 6
- Linears 7
- GPS 10
- Control Panels. 11
- BaseStation2-SM 12
- Tracker™ 13
- Drive Train. 14
- Flotation Solutions. 16
- Structure. 17
- Water Application 18
- Pipeline Solutions 20
- CableGuard™ 21
- Valley Ag Services. 22
- Global Leadership. 22
- Water Management. 23



The Valley® Center Pivot

From pivot point to end tower, the entire Valley® structure is engineered, constructed and field-tested to handle the operating stresses that a grower's machine may experience. Valley structures stand up to the toughest loads produced by rough terrain, furrows and long-span machines. Use of a Valley center pivot can result in: a reduction in operating costs, a quick return on the initial investment, and the conservation of resources. Variable rate irrigation (VRI) is available for center pivot applications.

The Original Center Pivot

Valley center pivots were designed with a grower's application in mind. For any size field, fixed or towable pivot point, corrosive water or non – the center pivot offers many performance features that will efficiently irrigate a grower's field.

A Standard Center Pivot Includes

- Spans
- Pivot point (page 5)
- Control panel (page 11)
- Drive train (pages 14-15)
- Water application package (page 18)
- Pipeline solution (page 20)

Alternative Solutions

Single Span Spinner Drive

This hydraulically-driven center pivot is ideal for smaller fields; an option to tow is available. This low maintenance machine does not require electricity and can operate efficiently on fields with up to a 2% slope.

Single Span Engine Drive

The Single Span Engine Drive can efficiently water a grower's field; with a towable option, producers can maximize the irrigated area. The center pivot utilizes gasoline to power the machine, meaning it is ideal for fields that do not have access to electricity. This pivot has a 10% maximum slope and a low pressure requirement.



Model 8120



Single Span Spinner Drive



Single Span Engine Drive

Valley Spans

When making decisions that may affect yields and operation, look to Valley to provide the structural strength growers 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"
- Galvanized steel comes standard
- PolySpan® pipeline available for corrosive conditions



Fixed & Towable Pivot Points

Fixed Pivot Points

The structural life of a center pivot investment is critical. Fixed pivot points from Valley offers maximum platform durability, and are available in four sizes to fit growers' needs.

6 5/8" Pivot Point

- Designed for pivots up to 396 m (1,300') long
- Low and standard profile drive units available

8" Pivot Point

- Designed for pivots up to 857 m (1,500') long
- Low, standard, and high profile drive units available

8 5/8" Pivot Point

- Designed for pivots up to 853 m (2,800') long
- Low, standard, high, and ultra-high profile drive units available

10" Pivot Point

- Designed for pivots up to 853 m (2,800') long
- Standard, high, and ultra-high profile drive units available



Towable Pivot Points

Make a long-term investment with Valley towable pivot points. Because these machines can be moved from one field to another, growers can irrigate more hectares economically with one center pivot.

Quick Tow

- 5" span diameter
- For machines up to 201 m (660') in length

2-Wheel E-Z Tow

- Multi-directional towing
- For machines up to 274 m (900') in length

4-Wheel E-Z Tow

6 5/8"

- Fixed wheel or swivel option, easily rotates to tow in any direction
- For machines up to 305 m (1,000') in length

8 5/8"

- Fixed wheel or swivel option, easily rotates to tow in any direction
- For machines up to 457 m (1500') in length



Valley[®] Corner Machines

Since the 1974 introduction, Valley corners have been used to efficiently and economically irrigate thousands of hectares. The steerable corner arm lets growers match the unit to their field's boundaries, and allows them to irrigate more of their hectares by covering the corners outside of the center pivot's circle.

Global Corner

The Global Corner can fit easily into a standard container for shipping, and is offered specifically for international markets. This corner arm uses a track-and-roller connection.

Features include:

- Pipe diameter: 6 5/8"
- Span length: 62,5 m (205'); 56,4 m (185')
- Materials: galvanized steel
- Guidance options: below-ground cable and GPS
- Crop clearance: standard-profile
- Tire options: 14.9 x 24; 16.9 x 24; 18.4 x 26

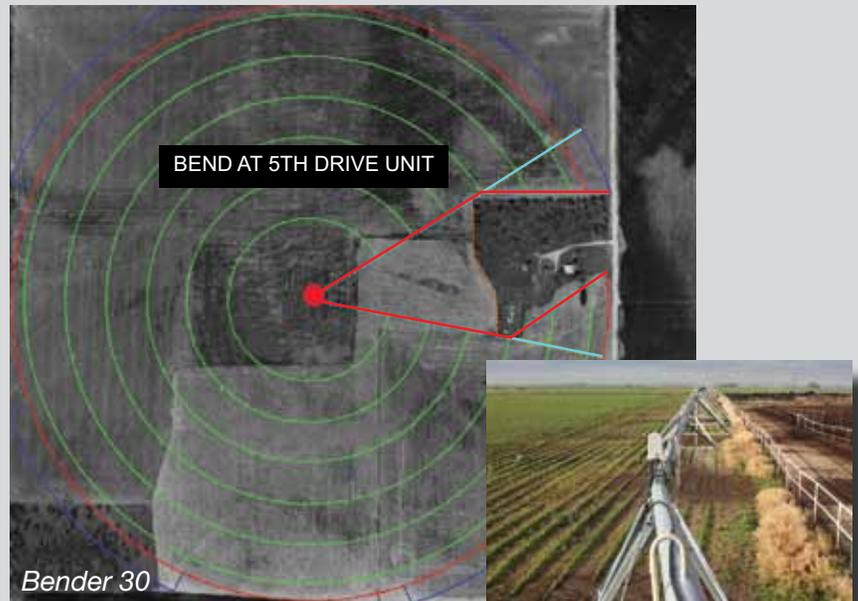


Bender 30

The Bender 30 for center pivots is similar to a corner arm in that it bends to allow for more irrigated land coverage. Unlike a corner arm, it can bend from more than one span at a time.

Features include:

- Bends up to 35 degrees in either direction to irrigate more land
- Easy to retrofit to an existing center pivot because it uses existing structural components
- Multiple Benders can be installed one pivot
- Bender can bend multiple directions from the same point



Precision Corner

From the manufacturer of the world's first center pivot corner arm comes the Valley Precision Corner. This corner arm continually moves due to its fixed joint connection.

Features include:

- Pipe diameter: 6 5/8"
- Span length: 62,5 m (205'); 56,4 m (185')
- Materials: galvanized steel, PolySpan[®]
- Guidance options: below-ground cable and GPS
- Crop clearance: standard- and low-profile
- Tire options: 14.9 x 24; 16.9 x 24; 18.4 x 26



Valley Linears

Introduced in 1977, the Valley linear travels back and forth across a square or rectangular field, irrigating up to 98% of the area. Certain linears even have the option to tow or swing around, increasing the amount of land irrigated. Valley now offers the Two-Wheel Ditch Feed Linear, which is ideal for smaller fields that have existing canals or earthen ditches. Valley linears offer great advantages of coverage and flexibility, and are often viewed as one of the most highly efficient methods of irrigation.



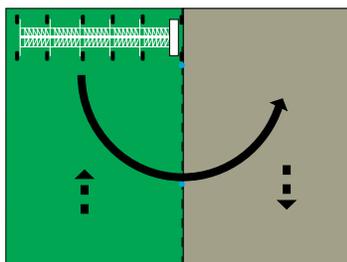
Ditch Feed Water Delivery

- On-board diesel engine with generator and direct-coupled pump provide electrical power and water pressure
- Cord drag option to power the pump
- Rolling inlets are used in concrete canals and floating inlets in earthen ditches
- Dragging feed suction moves along the base of the water source (Two-Wheel Ditch Feed only)
- Capacities of 15 to 302 lps (250 to 4500 gpm)

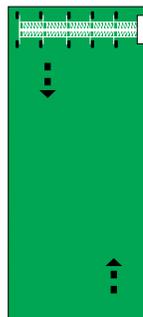


Hose Feed Water Delivery

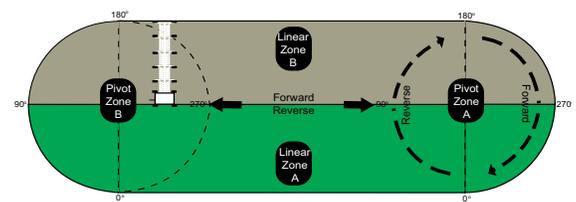
- Electrical power supplied by on-board diesel generator or cord drag option
- Polyethylene hoses with inside diameters up to 200 mm (8"), in variety of lengths connected to a pressurized mainline
- Capacities of 12 to 88 lps (200 to 1400 gpm)



Swing-Around Function



Standard Linear Function



AutoPilot Linear Function

Valley[®] Linear Machines

Valley Rainger™

The Valley Rainger moves back and forth across the field, irrigating up to 98% of the area. Based on a common cart platform, the Rainger cart may be equipped to take water from either a ditch or a hose.

- For machines up to 973 m (3200') wide
- Available as a hose feed or ditch feed
- Available as an end feed or center feed
- Above-ground, below-ground, furrow, or GPS Guidance available



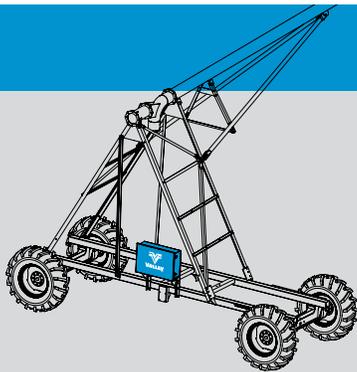
Valley Rainger™ Swing-Around

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 the grower the opportunity to more than double the amount of land irrigated with one machine.

- Spans are able to swing around the cart to irrigate an adjacent field
- Available as a hose feed or ditch feed
- Available as an end feed or center feed
- Below-ground, furrow, and GPS Guidance available



Growers can customize their Valley Rainger cart



The Valley Rainger line has the ability to customize the equipment to fit each grower's requirements. Beginning with the Valley Linear basic cart, the linear is equipped with a tube frame that has outstanding durability to hold up even in the toughest conditions. The same frame is used for all water sources – the grower selects what he needs.

Valley Universal

With the ability to automatically switch from linear to pivot mode, the Valley Universal linear is designed for swing-around applications. Like the Rainger Swing-Around, it is a great solution for growers to reduce their per hectare (acre) investment. The Universal can operate as a lateral move or swing-around machine, and has the option to irrigate while swinging around, making this the most automated of the swing-around linears.

- Available as a hose feed or ditch feed
- Available as an end feed
- Hose feed: below-ground or furrow guidance available
- Ditch feed: above-ground or below-ground guidance available



	Rainger	Rainger Swing-Around	Two-Wheel Ditch Feed	Two-Wheel Hose Feed	Universal
Maximum Length	973 m (3200')	973 m (3200')	300 m (984')	400 m (1300')	400 m (1300')
Span Diameters	6 5/8", 8 5/8", 10"	6 5/8", 8 5/8", 10"	5", 6 5/8"	5", 6 5/8"	6 5/8"
Pipeline Choices	Galvanized; PolySpan®	Galvanized; PolySpan®	Galvanized, PolySpan®	Galvanized, PolySpan®	Galvanized; PolySpan®
Towable Option	No	No	Yes	Yes	Yes
GPS Guidance	Yes <i>endfeed only</i>	Yes <i>endfeed only</i>	No	Yes	No
Target Field Type	Larger fields	Larger fields that are split by a barrier	Smaller fields with small earthen ditches	Any size field	Fields on both sides of a water source
Feed Type	Hose or ditch; end or center	Hose or ditch; end or center	Ditch; end	Hose; end	Hose or ditch; end

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 specifically designed suction will keep the investment low by fitting nearly any functioning earthen ditch.

- Operates as a forward or reverse tow, swing-around, or both
- Suction drags along the base of the water source
- Available flowrates of 10 to 57 lps (150 to 900 gpm)
- Available as end feed only
- Below-ground or furrow guidance available



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 operate as a standard linear, towable, or swing-around.

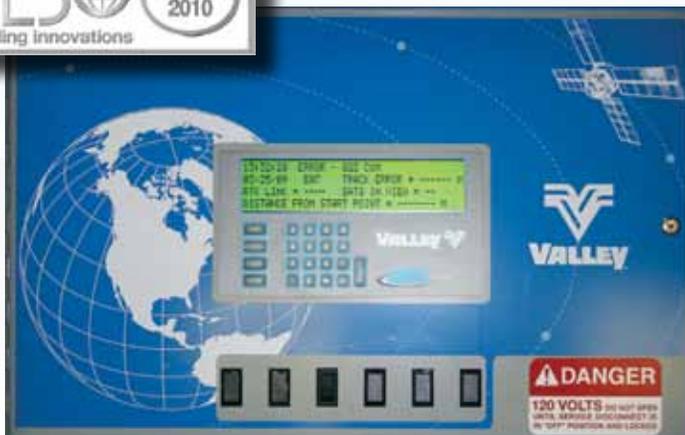
- Operates as a forward or reverse tow, or swing-around
- Provides coverage for both small and large fields
- Available as end feed only
- Below-ground, furrow, or GPS guidance available



Global Positioning System (GPS)

GPS Guidance for Linears and Corners

Linear machines and corner arms move through a field by following one of several types of guidance options: below-ground cable, above-ground cable, furrow, and now GPS Guidance. GPS Guidance helps to eliminate maintenance issues associated with other guidance options and minimizes variations in water application. GPS Guidance is proven to improve efficiency by increasing accuracy and precision of linear machines and corners when compared with traditional irrigation equipment guidance.



- Increases accuracy and precision of linear and corner machines
- Is compatible with the Starfire™ RTK receiver
- Includes a specially-designed GPS Guidance control panel module
- Eliminates other types of guidance
- Can easily program the field path with the custom Valley® mapping tool to best match changes in farm practices or field boundaries

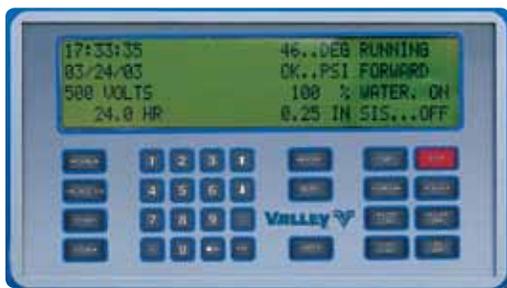
GPS Position for Center Pivots and Linears

Valley GPS Position is available for center pivots and linear machines. Because calculations for machine position are performed in the GPS Ready computerized control panel, external computers are not required. Producers utilize the calculations to make programming decisions in the control panel, which determine the application of different levels of water, fertilizers, or other crop inputs within the same field.



- Enhances precision irrigation equipment management capabilities
- Is compatible with the Novatel GPS receiver, which is a dual channel and does not require a correction to achieve +/- 3 m (+/- 10')
- Offers a potential for higher yield and lower input costs because water is applied more efficiently
- GPS Position packages are available for existing center pivots and linears
- Requires a GPS Ready Pro2 or Select2 control panel

Valley® Control Panels



Pro2 Panel - GPS Ready

The Valley Pro2 has advanced and easy-to-use tools that give the highest level of control and monitoring, both in the field and remotely.

- Programming based on date, time, position and other inputs
- Advanced diagnostics
- Backlit screen and keypad come standard
- Available with center pivots and corners
- Can be used with variable rate irrigation



Select2 Panel - GPS Ready

The Select2 computerized control panel from Valley gives the grower the ability to increase the level of control as needed to suit the operation.

- Endgun, stop-in-slot, and auto reverse set in the panel
- Application depth changes automatically by field position
- Backlit screen and keypad come standard
- Available with center pivots and corners



AutoPilot Linear Panel - GPS Ready

The Valley AutoPilot Linear allows the linear machine to automatically perform functions that had previously been limited to the Valley center pivot.

- Automatically transitions from linear to pivot mode and back again
- Controls the application of chemicals
- Changes direction and stops
- Available for all Valley linears
- Programming based on position



ClassicPlus Panel

The ClassicPlus from Valley offers the ease of an entry-level control panel with the option to upgrade in the future.

- Manual auto-reverse
- Upgradable to Valley Select2, Pro2, or AutoPilot Linear
- Available with center pivots, linears, and corners



Classic Panel

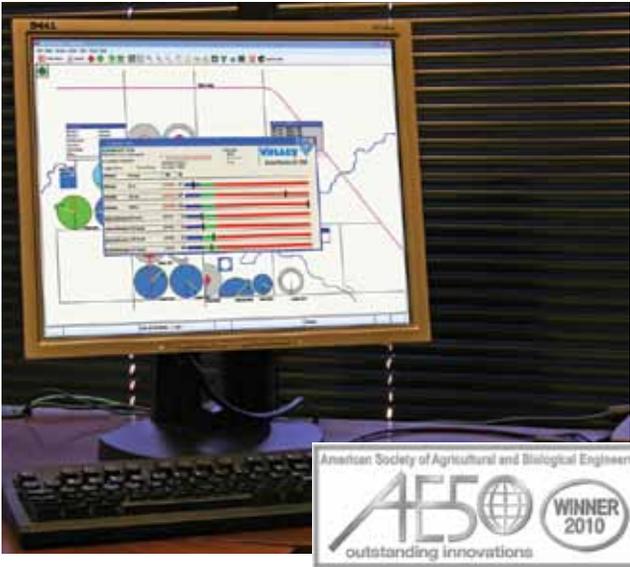
The Valley Classic control panel offers producers an entry-level panel for a low investment. The Classic is an ideal choice for replacing panels on older pivots.

- Entry-level panel
- Push button, manual operation
- Available with center pivots only

Valley[®] Remote Monitoring & Control

BaseStation2-SM

The BaseStation2-SM is like no other product on the market. It offers centralized irrigation management from a grower's home or office computer, which means the grower can control his irrigation machines from his computer. The software now combines the ability to monitor soil moisture status with remote monitoring and control of a center pivot or linear. BaseStation2-SM is a full computer equipment package with pre-loaded software that functions with new and existing Valley control panels, as well as some non-Valley control panels.



Basic Software Features

- Control and monitor linears and center pivots without driving to the field
- Features specialized language display options: French, Spanish, Portuguese, and Italian displays
- Voice call-out is available
- Linears can be viewed and managed with use of the AutoPilot Linear control panel (with optional GPS)
- Updated linear mapping function now includes drawings of hydrants, swing-around function, hose feed, and ditch feed
- Screen display of the AutoPilot Linear control panel now includes graphical buttons



Soil Moisture Monitoring Features

- BaseStation2-SM includes information from Irrrometer Watermark soil moisture monitors, which can be ordered directly through Valmont (not standard with purchase/upgrade of the BaseStation2-SM software)
- Can help make irrigation decisions based on the amount of moisture in the crop root zones



PanelLink

- Allows non-Valley control panels and non-computerized Valley control panels to interface with the BaseStation2-SM
- Shows change-in-status messages

Valley Tracker™

Valley Tracker™ provides growers with the essentials to monitor and control center pivots and linears. The technologically advanced Tracker™ product line allows producers to remotely communicate with their mechanized irrigation equipment via the Internet, mobile phone, or Smartphone, minimizing trips to the field. A grower only needs to either make a call or log onto the Internet to view all center pivot and linear equipment information at once.

TrackerSP *

The TrackerSP can be easily mounted on a computerized control panel for additional mechanized irrigation equipment management.

- Offers additional functionality with the Pro2 and Select2 control panels only
- Review field diagnostics
- Monitor most remote features, including application depth, diagnostics, end guns, and field position
- Control start/stop, water on/off, direction, and auxiliaries
- All features can be used through mobile phone, Smartphone, and home or office computer
- Communication path via either satellite or GPRS
- Limited functionality with linear machines



*Not available in all markets.

Tracker Mobile

The Tracker Mobile uses Smartphone technology to retrieve monitoring and control options from the Valley TrackerSP. It provides irrigators with additional visual access to irrigation information from the convenience of a Smartphone.

- Uses easy-to-understand color-coded symbols
- Performs all control and monitoring options currently available
- View status of all irrigation equipment
- Utilizes a Smartphone or the Web to retrieve TrackerSP monitoring and control panel options
- The Tracker Mobile demonstration is available online at m.valleytracker.com



www.valleytracker.com

The Tracker™ Web site is a convenient and easy way for growers to monitor the status of every center pivot and linear machine in their operations. Easy-to-understand aerial map views offer instant equipment information at a glance. For growers who require more information, they are just a click away from "Device Details," which includes a graphic view of the pivot selected.

Valley® Drive Train

Gearbox

The Valley® Gearbox is designed and built by Valmont in Valley, Nebraska, USA. It is constructed to work under today's most demanding conditions. There's a stronger, heavier bull gear, pre-loaded worm gear, and our patented shaft seals that keep oil in and problems out. A heavy-duty bronze bull gear is an available option for severe field conditions.

- **Expansion chamber** — Cap made of noncorrosive cast aluminum; rubber diaphragm allows oil to expand and contract during operation.
- **Worm Gear** — Tooth angle provides longer life and better reliability in tough conditions.
- **Bull gear** — Highest load capacity in the industry and longest life. Longer keyway and thicker hub.
- **Threaded endcap** — Allows accurate bearing preload, to increase bearing life.
- **52:1 gear ratio** — Full recessed tooth design keeps oil engaged between gears.
- **Longest output shaft (steel)** — Exclusive with Valley Gearboxes. Provides extra clearance between gearbox and tire, reducing mud buildup, which in turn prevents seal damage and extends the life of the gearbox.



Available Machine Options



Tire Sizes

Growers can choose the tire size and width that fit their needs: from 571–965 mm (22.5 to 38 inch) wheels and 279 – 429,3 mm (11 to 18.4 inch) wide.



Universal Motor Shield

For all helical three-phase electric center drive motors. Protects the motor housing from water, dust, etc. Not available on worm gear motors or single-phase electric center drives.



End of Field Stop and/or End of Field Auto Reverse

Either stop or reverse the machine precisely. Required for all partial circles. Both post and skid barricade styles are available for center pivots and linears.

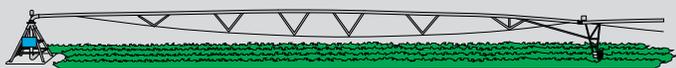
Center Drive

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.

- **25° tooth angles** — Provides greater load capacity and wear resistance than the competition.
- **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.



Structure Options ^{*}



Standard Profile Drive Units

- Clearance: 2,8 m – 3 m (9'4" – 10')

Low-Profile Drive Units

- When standard clearances are not required.
- Low-Profile clearance: 1,85 m - 1,95 m (6' 2" – 6' 5")



High-Profile Drive Units

- Provide increased crop clearance.
- Clearance: 3,9 m - 4 m (13' 0" – 13' 3")

Ultra-High Drive Units

- Provide increased crop clearance.
- Clearance: 4,9 m - 5 m (16' 3" – 16' 6")

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

Valley® Floatation Solutions



Valley 2-Wheel Drive

- Wide wheel base for stability on rolling terrain
- Several tire sizes available to match field conditions
- Suitable for most applications



Valley 3-Wheel Drive

- More traction than 2-Wheel Drive
- Available with all current tire sizes to provide increased floatation
- Heavy duty base beam and center wheel gearbox



Valley Articulating 4-Wheel Drive

- Twice the floatation and traction of the 2-Wheel Drive
- All four wheels are driven with Valley Gearboxes
- All four wheels follow field terrain and maintain contact with the ground
- Minimizes wheel rut depth



Valley Track Drive

- Higher floatation and traction than wheel drives
- Performs best on level fields
- Retread tires with heavy duty steel tracks
- Minimizes rut depth by distributing weight over a wider area



Valley Articulating Track Drive

- Maximum floatation and traction available
- Tracks follow field terrain and maintain contact with the ground
- Minimizes rut depth by distributing weight over a wider area



RAAFT Tracks

- Increased floatation on saturated soils
- Lower initial investment
- Can be installed on individual drive units
- Available on all center pivot models, both old and new

Valley Structure

When growers need to make decisions that affect yields and profitability, they look to Valley to provide the structural strength they need to achieve maximum productivity. Valley machines consistently outperform the competition in safety, durability, and strength, giving producers the most valued products the industry has to offer.



Xenoxy Riser Nipples

Help protect a grower's investment by ensuring durability and sealing at low pressures.



Lateral and Radial Welds

Because they give additional strength to the Valley span, a grower can better rely on his machine.



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 wraparound at each drive unit, which helps provide machine efficiency.



Truss Rod Spacers

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

Welded along the pipeline, which helps support a producer's center pivot, linear, or corner.



Gearbox

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

Valley[®] Water Application

Valmont[®] Irrigation has its own staff of sprinkler engineers and application specialists, helping growers choose the most appropriate sprinkler package for their soil type and crop. We design our own spray nozzles—specifically for mechanized irrigation equipment. We also offer sprinklers from various manufacturers, including Senninger, Nelson, Komet, and others.

Application Efficiency and Uniformity

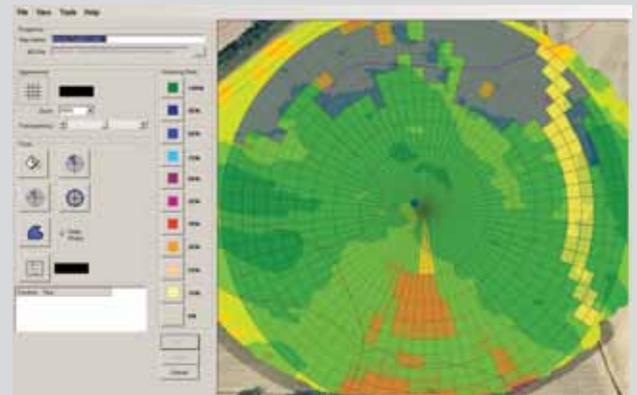
- Precise, computerized sizing and spacing of nozzles ensure application uniformity
- Low-pressure sprays operate as low as 0,4 bar (6 psi), saving horsepower, energy and money
- Application efficiencies can reach 95%, depending on the sprinkler package design



Valley Variable Rate Irrigation (VRI)

Valley VRI offers site-specific control capabilities and precise irrigation management. It is ideal for a grower who either has different soil types in one field or needs to shutoff different zones of sprinklers over various areas where no irrigation is desired, such as water ways and drains. With VRI, the grower has the ability to divide his field into thirty management zones along the center pivot, if needed. The Valley VRI package allows the grower to apply the optimal amount of water and crop inputs exactly where he wants to maximize the productivity of the field.

Valley VRI uses a combination of the Pro2 GPS Ready control panel and other Valley field-proven components.



Valley Sprinklers



Low-Energy Nozzles (LEN)

- Only pivot company with exclusive sprinklers
- Easily exchangeable nozzle
- Unique shape for movement through the crop

Nelson® Sprinklers



R3000 Rotator®

- Features the greatest throw distance available on drop tubes
- Lower average application rates, longer soak time, and reduced runoff due to wide water pattern
- More overlap with adjacent sprinklers

Senninger® Sprinklers



i-Wob®

- Patented off-center action delivers an extremely uniform pattern
- Large diameter of coverage, ultra-low application intensity
- Low-pressure application



Pressure Drop

This pressure gauge by Senninger provides a quick and easy check of end-of-the-system pressure. With a curved design, this product allows the drop to hang straight.

- Standard and Freeze-Proof models
- Includes 0-2 bar (0-30 psi) or 0-4.1 bar (0-60 psi) glycerine-filled gauge, 6,35 cm (1") diameter
- 39 cm (15.5") overall length
- 9 cm (3/4") F NPT inlet x 4,8 cm (3/4") F NPT outlet

- VRI requires field information to help the operator develop a prescription, such as yield maps, soil maps, and/or DualEM maps.
- The Valley VRI package is designed for new center pivot installations and can be retrofitted to existing center pivots.
- Because it utilizes specific management zones as small as one square meter, VRI allows for maximum profitability.
- The Farmscan Variable Rate Irrigation package is also available through select Valley Dealers and Agents.



Valley® Pipeline Solutions

In certain areas of the world, water that was once known to be clean and non-corrosive is increasingly becoming corrosive. Some producers are using less desirable water sources - wastewater, process water, and corrosive water. Other producers are adding crop protection chemicals or soil amendment products. Under these conditions, corrosion of steel can occur at varying rates. To help minimize pipe corrosion caused by water, Valmont Irrigation offers growers two corrosive water solutions: standard galvanized steel and PolySpan®.



Galvanized Steel

- Produced in all Valley® manufacturing facilities
- Acceptable for most conditions, but may not meet expectations under certain water conditions
- Standard on any Valley center pivot, corner arm, or linear machine

PolySpan®

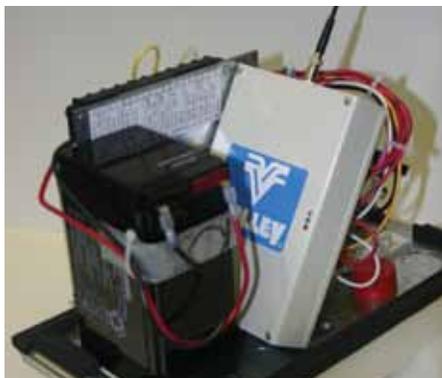
- Produced in the USA
- Available with Valley center pivots and linear machines (8 5/8" and 6 5/8" pipe only)
- Standard with 3/4" couplers



Type of Water	PolySpan®	Galvanized Steel
Soft Water (low in carbonate, bicarbonate, calcium, and magnesium)	★★★★★	★
Salty Water (high in total dissolved solids and electroconductivity)	★★★★★	★
Acidic or Alkaline Water (pH less than 6.2 or higher than 8.5)	★★★★★	
High concentration of chlorides and/or sulfates	★★★★★	

Valley CableGuard™

Copper cable theft has become a major concern of growers worldwide. To help producers protect their investments, Valley now offers a full line of theft deterrent products.



GSM Cable Guard Monitor

- Uses a GSM phone
- Turns pivot or linear off
- Alarm is activated when anything breaks through the safety circuit
- Alarm messages send to cell phone via text message or voice message
- Requires GSM cellular phone service



Cable Armor

- Protects cable from being cut
- Fits between the couplers and truss mounts on any diameter of pipe
- Attaches to the pipe with Heavy Duty U-bolts and stamped steel brackets



Heavy Duty Stainless Steel Banding

- Banding makes removal of span cable difficult
- Can be installed on any irrigation pipe
- Can be customized to fit the installer's needs

Heavy Duty Span Cable Clamp

- For Valley flanges 12,7 – 25,4 cm (5 – 10")
- A solid, resistant attachment that visibly deters span cable removal



Heavy Duty Flexible Steel Conduit

- Casing placed over entire span cable and is held in place with multiple stainless steel bands
- Uses electrical connections to bring the span cable to the tower box

Valley[®] Ag Services

Valley Ag Services was formed to meet the demands of customers who may need more than just irrigation solutions. Our Ag Services team can offer everything from feasibility studies to assistance in post-harvest.

Planning

- Feasibility studies
- Crop planning
- Financing options

Design & Application

- Water and power delivery
- In-field irrigation equipment
- Farm equipment

Post-Harvest Operations

- Crop storage and monitoring
- Post-harvest processing

Field Operations

- Farm advisors
- Agronomy support
- Training and education

Equipment Procurement

- Irrigation equipment
- Farm equipment
- Crop production products



Global Leadership

Valmont[®] Irrigation is the world leader in the development and manufacturing of mechanized precision irrigation equipment and technology.

Global Sales Network

The Valley brand has been recognized worldwide as the leader in sales, service, quality, and innovation since Valmont founded the mechanized precision irrigation industry. This leadership position is illustrated by sales of nearly 200,000 center pivots, linears, and corner machines, irrigating approximately 10 million hectares (24 million acres), and supporting nearly 400 Dealers and Agents worldwide.



Proven Technology

In almost all conditions — whether terrain is flat or hilly, soils are sandy or silty— Valley center pivots and linear machines are proven technologies that have increased both profitability and food production. Irrigating with Valley center pivots and linear machines offer proven savings of valuable resources — water usage and quality, labor, energy, and chemicals.

Whether you are looking for one mechanized precision irrigation machine, or several hundred, no one else in the world can offer you more expertise and more years of experience and service than Valmont Irrigation.

Water Management Solutions

With the goal of conserving resources and improving life, Valmont® recognizes the multiple opportunities for reusing wastewater and utilizing lower quality water. Valmont Water Management Group (WWMG), a Valmont company, specializes in taking the waste out of water. We are uniquely qualified to develop and implement a comprehensive water management strategy for impaired waters that encompasses water, energy efficiency, agricultural production, and environmental protection for governments and multinational corporations nationwide. Our philosophy is to utilize existing infrastructure in combination with site-specific: water quality, soil, crop, and climate characteristics to develop a sustainable agricultural system that reclaims and utilizes water of lower quality and wastewater.



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WWMG Offers You:

- 30 years of experience and hundreds of completed projects
- Proven solutions that integrate soil, agronomy, engineering, and irrigation
- Turnkey projects (design, permit, build, and operate)

Municipal

From small villages to large metropolitan areas, WWMG and Valley® equipment applies wastewater to thousands of hectares of land.

- Valley equipment helps growers meet water needs and nutrient requirements
- Cities benefit from lower-cost wastewater management solutions
- Environment benefits from elimination of discharge to streams

Industrial

Industrial facilities directly benefit from effective wastewater management by WWMG and Valley irrigation equipment.

- Eliminates discharge of wastewater into municipal facilities and/or streams
- Reduces capital investment and energy required for conventional treatment

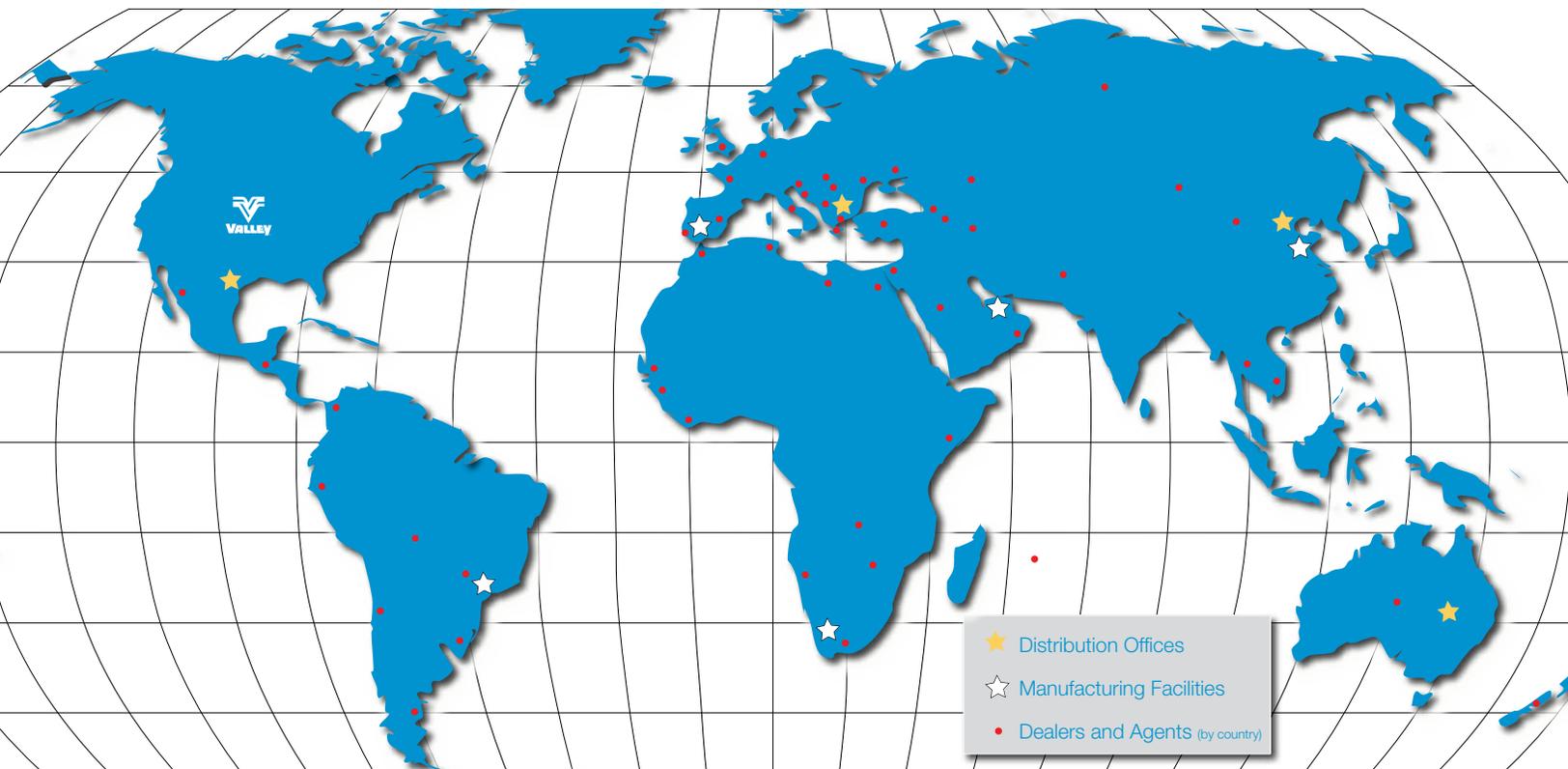
Agricultural

The agricultural industry realizes significant benefits from the effective management and beneficial reuse of wastewater.

- Livestock confinement facilities use center pivots and linears to distribute liquid manure
- Plant nutrients in wastewater reduce the need for commercial fertilizer



Valmont Irrigation Worldwide



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Conserving Resources. Improving Life.

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See your local authorized Valley Dealer or Agent:

Valmont Irrigation has a policy of continuous product improvement and development. As a result, certain changes in standard equipment, options, price, etc., may have occurred after the publication of this catalog. Some photographs and specifications may not be identical to current production. Your local Valley Dealer is your best source for up-to-date information. Valmont Irrigation reserves the right to change product design and specification at any time without incurring obligations.

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INTL10098 06/10