

Valley® Center Pivots

RELIABLE | DURABLE | PRECISE | ADVANCED | RESPONSIVE



VALLEY 

The Leader in Precision Irrigation

Valley[®] 8000 series





From pivot point to last span, a Valley[®] structure is engineered, constructed and field-tested to handle the operating stresses your machine may experience. Valley structures stand up to the toughest loads produced by rough terrain, deep furrows and long-span machines. No wonder Valley pivots command the highest resale value in the industry.

Exclusive options on the 8000 series include:

- Precision Corner
- Floatation Options
- High & Ultra-High Profiles
- Widest range of pivot point options and pipe diameters to fit your field

Most Reliable Drive Train

- Valley wheel gearboxes are the only brand of pivot gearboxes made in the USA
- Exclusive Valley Warranty – See your dealer for details

Valley Field Tested Spans

- The design of the truss rods and angles create a smooth crown that maintains even loading in the span
- Tight contact of truss rod head in socket for even loading
- Polyurethane flange gaskets for longer, leak-free life
- Truss angle placement and lengths create even loading on uneven terrain
- Short extender pipes are never used to achieve span lengths



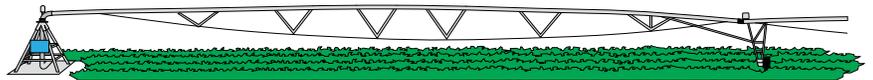
Structure Options for Different Heights

Standard Profile Drive Units

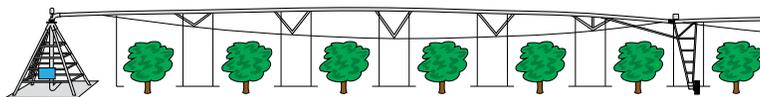
- Clearance: 9' 4" – 10' 0"

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.



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"



7000 series

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.

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.

Features:

- Economical irrigation option for smaller fields
- Available as another option to irrigate corners or irregularly shaped fields
- Easy to operate, control and monitor
- Optional upgrades to enhance your control and monitoring capabilities





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.

Features:

- Economical irrigation option for smaller fields
- Available as another option to irrigate corners or irregularly shaped fields
- Easy to operate, control and monitor
- Optional upgrades to enhance your control and monitoring capabilities
- Available with the Classic control panel for basic operations



Fixed Pivot Points

The Valley pivot point options are built for strength and stability. Each pivot point comes standard with a full set of braces on all four sides and a corrosion-resistant sleeve to allow smooth rotation within the riser seal. With varying options you can be sure to find the right pivot point to fit your operation.

6 5/8" Pivot Point

- Designed for pivots up to 8 spans or 1500' long

8" Pivot Point

- Designed for pivots up to 1500' long
- Heavy duty legs available for rough ground applications
- Skid tow option available for towing pivot from one field to another

8 5/8" Pivot Point

- Designed for pivots up to 2800' long
- Heavy duty legs are standard
- Optional stainless steel riser pipe for corrosive water

10" Pivot Point

- Designed for pivots up to 2800' long
- Comes standard with heavy duty legs, service platform and pivot flex
- Extended bearing length for longer life



Pivot Point Options

Towable Pivots

The Valley towable options allow you to irrigate two or more fields to reduce your installed cost per hectare. Each towable machine can be towed from one field to another in less than an hour! You can choose from an on-board engine generator or public power supply to power your machine.

4-Wheel E-Z Tow

- Maximum lengths up to 1500'
- Can be placed on concrete pad to utilize earth anchors
- Comes standard with tongue hitch for quick, secure hook-up without cables
- 8 5/8" pivot point can be towed in any direction

Skid Pivot

- Low cost option best used for infrequent towing
- Can handle even the longest towable units

2-Wheel E-Z Tow

- Ideal for part-circle fields or multi-directional towing
- Maximum lengths up to 1500'
- Comes standard with tongue hitch design

QuickTow Pivot Point

- Low cost option used for frequent towing
- Intended for less stressful terrain and soils
- Available with 217' spans
- 3-point hitch hook-up tow option





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

Valley Benders

The Bender options were introduced to maximize irrigated area at a low cost. Benders allow the outer portion of a pivot to continue moving while the inner portion is stopped by fences, trees or other obstacles. With Valley Benders you receive improved water application while maximizing your irrigated acres because of the exclusive speed-up timer which reduces over watering while bending.

Bender30

- Easy retro fit - no structural changes required
- Bends up to 30 degrees in either or both directions

Bender160

- Utilizes custom pipes and swivel
- Bends up to 160 degrees in either or both directions

Features:

- Pick up additional acres on part circle machines at a low cost
- Multiple bends per machine are allowed
- Optional water shut off valves shut off the water to the stopped spans while bending
- Valley exclusive speed up timer improves water application performance while bending
- Integrated backup safeties prevent the machine from over extension and ensures return to normal operation after bending



Benders and DropSpan



Single Span Engine Drive



Valley Single Span Engine Drive

The Valley Single Span Engine Drive is the ideal option for irrigating 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.

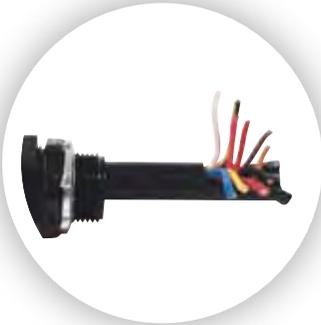
Features:

- Towable pivot points can add versatility to easily irrigate multiple fields, reducing your equipment cost per acre
- The high-speed drive decreases minimum rotation time by up to 50% over normal pivot operation
- Drive belt positioning allows forward and reverse operation
- Retrofit package available for all brands of pivots
- Optional 20 gallon fuel tank which provides up to 100 hours of operation without refueling
- Optional tachometer/hour meter which provides engine speed monitoring for accurate water application and records operating hours for management decisions

Electrical Components

Span Cable

8, 10 and 12 gauge wire for power
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.

Exclusive 10 million cycle control micro
switches



Collector Ring

Transfers incoming electricity to the
pivot and uses a watertight seal.
Comes standard with Stainless steel
electrical conduit to ensure years of
trouble-free service.



Available Options



(A) End of Field Stop and/or
End of Field Auto Reverse

Either stop or reverse your machine
precisely. Required for part circle
operation. Both post and skid barricade
styles are available.

(B) Modified Alignment

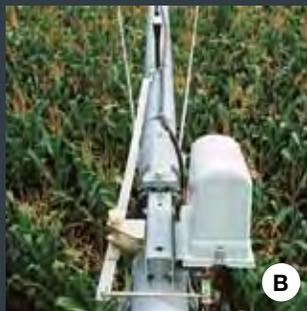
Provides additional alignment sensitivity
for your machine. Recommended for
units 1,500 to 2,000 feet (457-610 m)
long.

(C) Remote Panel Mount

Locate your panel where it is most
convenient.

(D) Pipe Options

Pipe material choices available include
galvanized and PolySpan®.



Running Light

Indicates that your pivot is operating. Choice
of 100-watt rough service bulb or flashing
strobe.

End Gun Test Switch

Allows you to check end gun operation
(Pro2 and Select2).

End Gun Control

Control your end gun operation
from the pivot. A switch package
mounted on the pivot is available for
mechanical panels. The Pro2 and
Select2 panels have it incorporated
into the panel.

Auxiliary Control

Factory-installed switches and
hardware can control injection pumps
or other auxiliary electrical devices.



High-Voltage Surge Protection

Provides additional protection from
power surges (standard with Pro2 and
Select2 modules).

Position Control Choices

Lets you set and control position
functions such as stop-in-slot and end
gun.

Resolver Positioning

- Positioned on the pivot point
- Works with Select2 and Pro2
panels

GPS Positioning

- Receiver positioned on the last
regular drive unit
- Works with TouchPro, Pro2 and
Select2 GPS Ready control panels
- Existing machines can be
upgraded to this option



	8000 series	7000 series	5000 series
Specifications			
Pivot Point	6 5/8", 8", 8 5/8", 10"	6 5/8" and 8"	6 5/8", Small Field
Towable Pivot Point	2-Wheel E-Z Tow, 4-Wheel E-Z Tow, Skid Tow	Not Available	3 Point Hitch, 2-Wheel E-Z Tow, 4-Wheel E-Z Tow
Maximum Towing Length	2800'	Not Available	660'
Pipe Diameters	6", 6 5/8", 8 5/8", 10"	6", 6 5/8"	5"
Span Lengths	115', 135', 140', 160', 180', 185', 187', 205', 225'	115', 135', 140', 160', 180', 185', 187', 205'	112.5', 135', 157.5', 180', 202.5'
Overhang Lengths	Same as 7000 series	9', 18', 27', 36', 54', 64', 82', 100'	19.2', 28.5', 37.7', 55.9'
Booster Pump Option	2 HP, 5 HP, and 7.5 HP	2 HP and 5 HP	1 HP for single phase, 2 HP
Available Tire Sizes	Same as 7000 series	Same as 5000 series plus 16.9 X 24", 11.2 x 38", 18.4 x 26"	11.2 x 24", 11R x 24.5", 14.9 x 24"
157.5' Span Weight (lbs) - Wet	6200 (6 5/8")	5900 (6 5/8")	4400 (5")
180' Span Weight (lbs) - Wet	6800 (6 5/8")	6400 (6 5/8")	4900 (5")
205' Span Weight (lbs) - Wet	7500	7100	5400 (5" - 202.5')
Truss Rods	3/4", 13/16", 7/8"	11/16", 3/4" (on 205' only)	5/8"
Truss Angle	2 X 2 X 3/16"	2 X 2 X 1/8"	2 X 2 X 1/8"
Drive Leg	3 X 3 X 1/4"	3 X 3 X 3/16"	3 X 3 X 3/16"
Span Connection	Ball & Socket	Ball & Socket	Internal Connection
Corner Arm Available	●	●	
480v Engine Generator	●	●	●
Floatation Options	3-Wheel Drive, Articulating 4-Wheel Drive, Track Drive, Articulating Track Drive, agri-TRAC, RAAFT Track	3-Wheel Drive	
Profile	Low, Standard, High, & Ultra High	Low & Standard	Low & Standard
Maximum Machine Length	2800'	1500'	820'
Drive Train	Valley & Valley HD	VS-7000 & Valley	VS-7000
Single Phase			●
Bender30/160	●	●	
DropSpan	●	●	



See your local authorized Valley dealer for complete details.



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 brochure. 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 specifications at any time without incurring obligations.

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