During the past few months we’ve introduced a number of new products as well as broken ground in new areas. Find out more:

- **3030 SERIES WITH 3NV NOZZLE**
  A Game-Changer for Pivot Irrigation

- **ROTATORS FOR TREE & VINE**
  Specialty Applications Including Crop Cooing

- **1000 SERIES CONTROL VALVES**
  3” Plastic Valve Added to Offering

- **PIVOT SPRINKLER ENHANCEMENTS**
  Expanded Pressure Range, New Plate Options & Accessories

- **SOLID SET & QUICK CONNECT SYSTEMS**
  A Finely-Tuned System

- **BIG GUN® DOMINATION**
  Still Around for a Reason

- **END OF PIVOT SOLUTIONS**
  New R55i, R75 & More

- **PART-CIRCLE EDGE OF FIELD ROTATOR®**
  Perfecting the Edge of High-Value Crop Fields

- **twigit**
  Take a Look at All the Places for Automation

NELSONIRRIGATION.COM
2015 was an exciting year for Nelson Irrigation. The 3030 Series Pivot Sprinklers with the new 3NV Nozzle System received both the Irrigation Association’s New Product Award for Agriculture as well as ASABE’s AE50 Award. This is the 3rd New Product award Nelson has received from the IA since 2002 when the contest began.

At the heart of the 3030 Series is the new 3NV Nozzle. Built with the precision accuracy of the 3TN, this innovative dial-nozzle combines multiple functions so you can “micro-manage” your system.

- Quick-change — push & turn, audible “click”
- Stainless steel spring for accurate and secure positioning
- Covers complete nozzle range, using the same numbering and flow rates as the 3TN Nozzle System
- Same color-codes as 3TN but odd-size nozzles have weather-enduring scalloped edge

The 3NV nozzle fits all existing sprinkler types: Rotator, Spinner, Accelerator, Spray-head, Orbit, Part Circle. Maximize efficiency with the Square Thread fitting.

Manage your system without ever having to remove a nozzle.
NEW PRESSURE RANGE FOR PIVOT ORBITOR

Testing concludes that pressures as low as 6 psi (0.4 bar) are sufficient for proper water application (not to be used at 6 psi with nozzles smaller than #16). The recommended pressure range is now 6-20 psi (0.4-1.4 bar) for the weighted version and 6-10 psi (0.4-0.7 bar) for the plastic-cover version. This applies to all plate options (blue, black and purple). The throw diameter at 6’ (1.8 m) mounting height at 6 psi with #36 nozzle is 46’ for the black plate.

NEW “SLIM” WEIGHT FOR PIVOT DROP TUBES

Introducing a new in-line weight for use with Nelson Pivot Products. Available in both 0.85 lb and 1 lb options – this low profile zinc weight fits directly into flexible drop hose, secured with a clamp, above a Nelson ¾” FNPT Pivot Regulator and 3000 or 3030 Series Sprinkler. Limited release – call factory or contact your Nelson Representative for availability.

USE CLAMP SAVER WHEN INSTALLING ORBITORS ON A PIVOT WITH EXISTING POLY SLIP WEIGHTS

This simple device placed over clamps on drop hose beneath poly slip weights protects the clamp from the “action” or natural vibration on Orbitor systems. This is a great solution when an irrigator is retrofitting a pivot that already has slip weights with the Orbitor sprinkler. Only the plastic cover version (6-10 psi / 0.4-0.7 bar) O3000 or O3030 can be used with poly slip weights.

NEW PRESSURE RANGE FOR PIVOT ORBITOR

Testing concludes that pressures as low as 6 psi (0.4 bar) are sufficient for proper water application (not to be used at 6 psi with nozzles smaller than #16). The recommended pressure range is now 6-20 psi (0.4-1.4 bar) for the weighted version and 6-10 psi (0.4-0.7 bar) for the plastic-cover version. This applies to all plate options (blue, black and purple). The throw diameter at 6’ (1.8 m) mounting height at 6 psi with #36 nozzle is 46’ for the black plate.

NEW “SLIM” WEIGHT FOR PIVOT DROP TUBES

Introducing a new in-line weight for use with Nelson Pivot Products. Available in both 0.85 lb and 1 lb options – this low profile zinc weight fits directly into flexible drop hose, secured with a clamp, above a Nelson ¾” FNPT Pivot Regulator and 3000 or 3030 Series Sprinkler. Limited release – call factory or contact your Nelson Representative for availability.

USE CLAMP SAVER WHEN INSTALLING ORBITORS ON A PIVOT WITH EXISTING POLY SLIP WEIGHTS

This simple device placed over clamps on drop hose beneath poly slip weights protects the clamp from the “action” or natural vibration on Orbitor systems. This is a great solution when an irrigator is retrofitting a pivot that already has slip weights with the Orbitor sprinkler. Only the plastic cover version (6-10 psi / 0.4-0.7 bar) O3000 or O3030 can be used with poly slip weights.

NEW PRESSURE RANGE FOR PIVOT ORBITOR

Testing concludes that pressures as low as 6 psi (0.4 bar) are sufficient for proper water application (not to be used at 6 psi with nozzles smaller than #16). The recommended pressure range is now 6-20 psi (0.4-1.4 bar) for the weighted version and 6-10 psi (0.4-0.7 bar) for the plastic-cover version. This applies to all plate options (blue, black and purple). The throw diameter at 6’ (1.8 m) mounting height at 6 psi with #36 nozzle is 46’ for the black plate.

NEW “SLIM” WEIGHT FOR PIVOT DROP TUBES

Introducing a new in-line weight for use with Nelson Pivot Products. Available in both 0.85 lb and 1 lb options – this low profile zinc weight fits directly into flexible drop hose, secured with a clamp, above a Nelson ¾” FNPT Pivot Regulator and 3000 or 3030 Series Sprinkler. Limited release – call factory or contact your Nelson Representative for availability.

USE CLAMP SAVER WHEN INSTALLING ORBITORS ON A PIVOT WITH EXISTING POLY SLIP WEIGHTS

This simple device placed over clamps on drop hose beneath poly slip weights protects the clamp from the “action” or natural vibration on Orbitor systems. This is a great solution when an irrigator is retrofitting a pivot that already has slip weights with the Orbitor sprinkler. Only the plastic cover version (6-10 psi / 0.4-0.7 bar) O3000 or O3030 can be used with poly slip weights.
LOW ENERGY / LOW ELEVATION

NELSON “LE” SOLUTIONS FOR PIVOTS

**LEPA**
Low Energy/Elevation Precision Application
- GERMINATE
- IRRIGATE
- CHEMICATE
- BUBBLE
- DRAG

**LESA**
Low Energy/Elevation Spray Application
- SPRAY
- OR
- ORBITING
- SPRINKLERS

**LENA**
Low Energy/Elevation NELSON ADVANTAGE
- MOVING
- SPRINKLERS:
  - ROTATOR
  - ACCELERATOR
- SPINNER

**U3030 + HOSE DRAG**
- BUBBLER MODE WITH SPRINKLER CONVERTER
- (3030 Series does not require bubbler clip)

**D3030 SPRAYHEAD**
- SPRAY MODE WITH SPRINKLER CONVERTER

**A3030 ACCELERATOR**
- ACCELERATOR MODE WITH SPRINKLER CONVERTER
There is considerable talk about Low Energy/Elevation Solutions for pivots these days. The need to save water and energy is greater than ever. Nelson Irrigation takes this charge seriously and would like to add the NELSON ADVANTAGE to the mix.

Hose drag, bubbler and spray technology qualify as LEPA and LESA so long as the outlet spacings are tight, the device delivers water precisely in a single furrow at low pressure, and the field is planted in a circle to keep the water in the furrows preventing runoff. Nelson’s U3030 can be used for both Part-Circle applications and hose drag applications. The Sprinkler Converter is a great device to get a 3-in-1 sprinkler. Choose between functions: bubble, spray or irrigate with rotating streams depending on water constraints.

While offering the advantages of low pressure operation and minimal water loss due to canopy evaporation and wind drift, LEPA is limited to its areas of application. Limitations include: tight soils, sloping fields, and inner spans. Due to the very low pressure used, it is necessary to manage the system pressure and monitor it closely. Pressure regulators are generally a necessity for good uniformity of LEPA nozzle discharge.

There are other low energy/elevation options beyond LEPA and LESA. Consider rotating sprinklers in the 6-10 psi (0.4-0.7 bar) range. The Rotator® and Accelerator create a wide wetted pattern for the best soil infiltration and optimal droplet energy. If you’re looking for LE solutions — look to NELSON.
Nelson Irrigation Corporation introduced the R55 End of Pivot Sprinkler back in 2013 and it’s been full speed ahead ever since! Using the R55 has proven to be an economical way to pick up extra acres and improve the uniformity past the end of the system. The original R55 was to be mounted in the upright position only. The New R55i, with a specially engineered gray plate, has been made for inverted applications. This configuration is found to be easier to plumb - and some say it’s effective in helping manage debris that collects at the end of the system. Please note that radius is typically less for the inverted, gray plate than for the blue plate.

Operate in the pressure range of 15-40 psi (1.0-2.8 bar) and use nozzles #52-#80. Do not use #90 Blue Nozzle.
R75

THIS VERSATILE, HIGH-UNIFORMITY SPRINKLER IS BASED ON FIELD-PROVEN ROTATOR® TECHNOLOGY. THE R75 AND R75LP (LOW PRESSURE OPTION) HELP FILL IN THE CORNERS AND GAIN ADDED GROUND ... UP TO 70 FEET (21 M).

R75
40-60 psi
(2.8-4.0 bar)

R75LP
25-40 psi
(1.7-2.8 bar)

R55 UPRIGHT MOUNTING
OPERATING PRESSURE MUST BE 15-40 PSI (1-2.8 BAR)

R55i INVERTED MOUNTING
OPERATING PRESSURE MUST BE 15-40 PSI (1-2.8 BAR)
STILL AROUND FOR A REASON

THE NELSON BIG GUN® — BUILT TO LAST.

The Nelson Big Gun® sprinkler is inherently versatile. The 75 Series, 100 Series, 150 Series, and 200 Series Big Guns are available in both full and part circle options in varying trajectory angles, with coating options, add-on kits, and valve combinations. The versatility and guaranteed reliability of these field-proven sprinklers allows them to be used in a number of different applications. Big Guns are commonly seen at the end of a pivot, on a traveler, or in a solid set configuration. The Big Gun also works well in environmental applications including reclaimed water distribution, feedlot dust suppression and cooling, mining dust suppression, turf irrigation, and synthetic turf cooling and conditioning. Because readily available parts make the Big Gun so easy to repair, your sprinklers are assured to be constantly working for you as they stand the test of time. Ask your Nelson representative about seasonal Big Gun rebuild programs.

THE PREFERRED CHOICE FOR TOUGH APPLICATIONS

SET IT AND FORGET IT — SIMPLE ADJUSTMENT ALLOWS ARC SETTING TO WITHIN 1 DEGREE

SR SERIES HAS THE SAME SLOW FORWARD & REVERSE SPEEDS IMPROVING STABILITY / UNIFORMITY

DURABLE & RELIABLE WITH ENGINEERED SIMPLICITY

ORIG

BIG

THE LEADER IN QUALITY, PERFORMANCE & SUPPORT

Nelson Big Gun® — Built to Last.

The Nelson Big Gun® sprinkler is inherently versatile. The 75 Series, 100 Series, 150 Series, and 200 Series Big Guns are available in both full and part circle options in varying trajectory angles, with coating options, add-on kits, and valve combinations. The versatility and guaranteed reliability of these field-proven sprinklers allows them to be used in a number of different applications. Big Guns are commonly seen at the end of a pivot, on a traveler, or in a solid set configuration. The Big Gun also works well in environmental applications including reclaimed water distribution, feedlot dust suppression and cooling, mining dust suppression, turf irrigation, and synthetic turf cooling and conditioning. Because readily available parts make the Big Gun so easy to repair, your sprinklers are assured to be constantly working for you as they stand the test of time. Ask your Nelson representative about seasonal Big Gun rebuild programs.

THE PREFERRED CHOICE FOR TOUGH APPLICATIONS

SET IT AND FORGET IT — SIMPLE ADJUSTMENT ALLOWS ARC SETTING TO WITHIN 1 DEGREE

SR SERIES HAS THE SAME SLOW FORWARD & REVERSE SPEEDS IMPROVING STABILITY / UNIFORMITY

DURABLE & RELIABLE WITH ENGINEERED SIMPLICITY

ORIG

BIG

THE LEADER IN QUALITY, PERFORMANCE & SUPPORT

Nelson Big Gun® — Built to Last.
THE ONLY GUN FOR HOUR AFTER HOUR, YEAR AFTER YEAR OPERATION.
“The Nelson Windfighter has greatly improved my sprinkler irrigation uniformities, under all weather conditions. It also eliminates the damage done by impacts while operating in windy conditions. It truly is a change for the better.”

~ Steve Alameda, Top Flavor
WHY DETACHABLE RISERS? Solid set irrigation with Rotators is an excellent way to irrigate small and irregular shaped fields. However, the process of moving pipe in and out of the field several times a season is costly and problematic. Inexpensive yet rigid detachable risers can be quickly and easily moved out of the way of farming operations, then easily reinstalled when it is time to irrigate. Now with two sizes of Nelson ACME Adapters, growers can choose from a wide range of Rotator® Sprinkler flow ranges for their specific needs. ACME Threads allow users to retread risers while the system is pressurized, and not cross-thread the risers. The ½” ACME thread is used in 10 Series and 2000 Series Rotator sprinklers. The new ¾” ACME Threaded fittings are based on the ACME Thread used in the R33. With these new ¾” ACME Thread fittings, Detachable Risers can have higher flow rates and be taller than ever before.

A. SHALLOW CULTIVATED CROPS REQUIRE A BURIED DETACHABLE RISER. Crops like wheat are often grown with shallow cultivation (disc or till), where it is best to avoid having to farm around sprinkler risers. The ¾” MNPT x Male ¾” ACME Adapter #11344 is rigidly installed about 9-12” below the soil surface. It is capped using Fitting #12214-002 during cultivation, harvest and planting, allowing the field to be farmed with large implements. To locate and remove the cap below the soil surface, just pressurize the system. The small hole in the cap creates a water jet which identifies the location of the adapter and erodes a path to the adapter through the soil. With the pressure of the system regulated down to around 5 PSI the cap is removed with a tool, and the detachable riser is installed in its place. Similarly, the tool is used to install the cap after the riser is removed.

B. DETACHABLE RISERS FOR CRANBERRY AND ALFALFA PRODUCTION. For these systems a ½” or ¾” male ACME adapter is rigidly installed just below the soil’s surface. At harvest time the detachable risers are removed to clear the field or bog of obstacles. After harvest the Detachable risers are easily installed by turning on the water, and simply threading the riser onto the ACME base.

C. SLEEVE-PROTECTED DETACHABLE RISERS IN PASTURES & FORAGE CROPS. In these crops the ACME adapter is installed 6-12” below the surface of the soil, and is sleeved in a 1½” PVC pipe up to the soil surface. When it is time to remove the risers from the field, they are quickly detached and moved out of the way. To reconnect, the adapters are located in the field by turning on the system. Access to the ACME adapter is protected by the 1½ PVC pipe.
CHARACTERISTICS OF A SUPERIOR COOLING SYSTEM

HIGH UNIFORMITY

Most cooling systems are more effective when the fruit, leaves or branches of the crop are evenly wetted. Evaporation on fruit, leaves or branches provides significantly more cooling than simply cooling the air. Just as climbing out of a pool cools the body as water evaporates off of the skin so does evaporation of water on plant surfaces. Therefore, an evenly wetted crop is more effectively cooled.

SMALLER DROPLETS

Smaller droplets are more likely to stick to plant surfaces than larger droplets. However, when droplets are too small, there can be too much evaporation before they reach plant surfaces or they may be highly susceptible to wind drift.

QUICK WETTING

Sprinklers with rotation speeds under 40 seconds are preferred for cooling applications because they provide quick wetting of all plant surfaces.

AUTOMATION

Automation is a critical component of an excellent cooling system. It allows for rapid wetting and then drying cycles. Ideal “on” and “off” times are between 8 and 15 minutes. For example a system using 40 gpm/acre that is rapid cycled “half on” and “half off” provides more effective cooling than a system that applies water at 25 gpm/acre continuously.

CHECK VALVES

These are an essential component for systems that are rapid cycled as they reduce the time required for systems to rise to operating pressure. Without check valves it is 3 to 5 minutes but with them it is within 10 to 20 seconds. They prevent flooded areas from system drainage as well.

PRESSURE CONTROL

Pressure control of the system using Nelson control valves and Nelson pressure regulators and a good hydraulic design are required to obtain consistent HIGH UNIFORMITY and OPTIMAL DROPLET SIZE.

The table below provides a quick reference for selecting ideal Rotator® models and operating pressure for cooling applications. Information in the table applies only to the ideal pressure range. In other words, the spacing, flow rate, application rate, rotation speed ranges as well as the droplet size all apply only to the ideal pressure, nozzles sizes and plates shown in the table.

<table>
<thead>
<tr>
<th>ROTATOR®</th>
<th>PLATE</th>
<th>NOZZLES</th>
<th>Ideal Pressure Range in PSI</th>
<th>Spacing Range in ft.² per Sprinkler</th>
<th>Flow Rate Range</th>
<th>Application Rate Range in./hour</th>
<th>Applicati- on Rate Range gpm/Acre</th>
<th>Droplet size</th>
<th>Rotation Speed Range in Seconds</th>
</tr>
</thead>
<tbody>
<tr>
<td>R5</td>
<td>GREEN</td>
<td>#35, #40, #45, #50, #55 &amp; (8.5, 11, 14, 18 &amp; 24 GPH)</td>
<td>30 to 40</td>
<td>230 to 520</td>
<td>.18 to .46</td>
<td>.04 to .20</td>
<td>20 to 90</td>
<td>Very Small</td>
<td>10 to 18</td>
</tr>
<tr>
<td>R5</td>
<td>BLUE</td>
<td>#35, #40, #45, #50, #55 &amp; (8.5, 11, 14, 18 &amp; 24 GPH)</td>
<td>25 to 35</td>
<td>160 to 360</td>
<td>.16 to .42</td>
<td>.04 to .25</td>
<td>20 to 110</td>
<td>Very Small</td>
<td>8 to 24</td>
</tr>
<tr>
<td>R10</td>
<td>RED</td>
<td>#40, #45, #50 &amp; .35 10FC</td>
<td>35 to 45</td>
<td>300 to 600</td>
<td>.28 to .48</td>
<td>.04 to .15</td>
<td>20 to 70</td>
<td>Small</td>
<td>10 to 18</td>
</tr>
<tr>
<td>R10</td>
<td>ORANGE</td>
<td>#50, #55, #60 &amp; .5 10FC</td>
<td>35 to 45</td>
<td>500 to 900</td>
<td>.43 to .69</td>
<td>.05 to .13</td>
<td>21 to 60</td>
<td>Small</td>
<td>18 to 33</td>
</tr>
<tr>
<td>R10T</td>
<td>PURPLE</td>
<td>#65, #70, #78, #75 10FC &amp; 1.0 10FC</td>
<td>35 to 45</td>
<td>650 to 900</td>
<td>.72 to 1.19</td>
<td>.08 to .18</td>
<td>35 to 80</td>
<td>Small</td>
<td>10 to 23</td>
</tr>
<tr>
<td>R10T</td>
<td>BROWN</td>
<td>#10, #11, #12, #13, #1.0 10FC, &amp; 1.25 10FC, &amp; 1.5 10FC</td>
<td>35 to 45</td>
<td>900 to 1400</td>
<td>1.05 to 2.02</td>
<td>.07 to .20</td>
<td>32 to 92</td>
<td>Medium</td>
<td>13 to 30</td>
</tr>
<tr>
<td>R2000LP</td>
<td>WF10, WF12, &amp; WF14</td>
<td>#10, #11, #12, #13 &amp; #14</td>
<td>40 to 50</td>
<td>1200 to 2000</td>
<td>1.12 to 2.4</td>
<td>.07 to .18</td>
<td>24 to 87</td>
<td>Medium</td>
<td>20 to 40</td>
</tr>
</tbody>
</table>
NEW (0.43 10 FC) NOZZLE FOR P2 9° R10 ROTATOR®

Targeted to fit in between the 0.35 and 0.50 10FC nozzle sizes, the new 0.43 10FC nozzle is available in the R10 Rotator® with the P2 9° Red plate.

9587-431 for R10 ½ MNPT base
9587-432 for R10 Acme base

Data for Overlap will be available in about 2 months. This nozzle is manufactured to the same specification as the 0.35 and 0.50 nozzles which is as follows: "Within the recommended pressure range of 25-50 PSI (1.7-3.4 bar), the 0.35, 0.43, & 0.50 10FC flow control nozzles are flow regulating within a flow range of no more than 0% greater and 10% less than their nominal flow (0.35, 0.43, or 0.50 GPM / (80, 98, 114 LPH))."

COOLING OBJECTIVES

1. PREVENTING INTERNAL DAMAGE to fruit crops like apples, wine grapes, or blueberries. Radiant heat can warm the inside of an apple like the sun warms the interior of a car by shining on a wind shield. To prevent this type of crop damage evenly wetting the fruit with adequate application rates is essential.

2. ENHANCING FRUIT COLOR can be accomplished by extending the night time cool period. Some producers cool well into the evening an hour or two after day time temperatures have dropped to meet this objective.

3. PROVIDING CHILLING HOURS for grapes, sweet cherries, peaches or blueberries grown in warmer climates. These crops require, depending on the variety, a certain number of hours below 45°F (7°C) during dormancy to produce fruit. Rapid cycling of the cooling system can prevent the use of excess amounts of water in the accomplishment of this objective.

4. IMPROVING FRUIT SET AND QUALITY. Cooling of sweet cherries after harvest during extremely hot time-periods can improve fruit set and prevent doubles.

5. ENHANCING CARBOHYDRATE PRODUCTION. Photosynthesis in most fruit crops shuts down after temperature rises above 85-95°F (30-35°C) depending on the crop. Evenly wetting and cooling the crop leaves is critical to the effectiveness of this objective.

SELECTING A COOLING SPRINKLER & ITS PROPER SPACING

Depending on objectives, cooling system application rates normally are from 25 to 50 gpm/acre (.05 to .11 in/ hr). Using the ideal pressures listed and selecting one of the Rotators in the table on the left will lead to a more effective cooling system. To ensure high uniformity select a spacing with 85% or greater overlap percentage. Use the Overlap Pro software to calculate the Overlap percentage.

Irrigators are realizing the benefits of the TWIG® Wireless Control System. The primary benefit of automating the irrigation process is a savings in labor, energy and water, as well as production of higher yield and grade crops.

ADDITIONAL BENEFITS:
- Precision irrigation cycle times. Apply exactly the amount of water needed by the crop.
- Reduced initial cost compared to the high cost of hard wired systems.
- Eliminates in-ground wire splices which are a chronic source of problems.
- Reduced lightning damage associated with hard wired systems, except for direct strikes.
- Eliminates rodent damage associated with buried wires.
- Easily expandable to accommodate future system growth by simply adding TWIGs to the network.
- Solar power option brings automation to remote areas where no power source is available.
- Makes automation of portable systems possible.
- There is no limit to the number of TWIGs that can be turned on at any one given time.
ACV AIR CONTROL VALVE
For air relief, vacuum air relief, and continuous air release under pressure.
* Pump start-up high capacity air venting
* Pump shut-off vacuum relief
* Filter backflush
* Vent at high points
* Continuous air release during system operation

IMPROVED DESIGN
REINFORCED SEAL PREVENTS MISALIGNMENT

IMPROVED AIR SEPARATION TO REDUCE DRIPS DURING AIR RELEASE

NEW MATERIAL RESISTANT TO PUMP LUBRICANTS

DESIGNED FOR ULTIMATE FLEXIBILITY & TOUGH JOBS
**THE 1000 SERIES IS GEARDED TO HANDLE TOUGH AGRICULTURAL ENVIRONMENTS**

**Pressure Loss Data**
for 2” & 3” 1000 Series
Inline Valves (fully open)

**SAVE WATER, SAVE ENERGY**
» Higher flow capacity & lower friction loss — better than any other valve on the market.
» More precise, more stable pressure regulation over a wider range of flow.
» Pressure regulation with minimal pressure differential required across the valve.

**APPLICATIONS**
» Zone control for sprinkler or drip irrigated row crops, nursery crops, orchards and vineyards.
» Place valve under Big Gun® for solid set irrigation, end of pivot solutions and a variety of environmental controls including fire suppression, dust suppression and cooling.

---

**Cv**
- 2” (50 mm) 128
- 3” (80 mm) 300

**Kv**
- 2” (50 mm) 113
- 3” (80 mm) 259

**Pressure**
- Flow (gpm) = \( \frac{\text{Flow (gpm)}}{\text{Cv}} \)
- Flow (m³/hr) = \( \frac{\text{Flow (m³/hr)}}{\text{Kv}} \)

**Flanged Connections**
- 11635
  - 3” OD SPLINE
  - (CERTA-SET)

**Flexible Connections**
- 10356PV
  - 2” METAL
  - ANSI FLANGE
  - (FNPT)

**Field Connections**
- 12167
  - 2” VALVE X 3”
  - FLANGE ADAPTER

**PVC Socket Hub**
- 2” & 3” FLANGE
  - PVC Socket Hub
  - (4” Coming Soon)
Nelson Irrigation’s PivotMapper program is a map-based information solution designed to connect center pivot dealers with important and quickly evolving information used every day to sell, operate and service center pivot irrigation systems. PivotMapper makes it easy to quickly map locations and securely store information about the center pivots you sell and service. Imagine sharing with your team real time dynamic information, anytime and anywhere – in the dealership, on the road, and in the field.

As a Nelson Dealer you can activate a free trial by entering your promotional code at www.pivotmapper.com. If you don’t have a promotional code and would like to request one, please contact your Territory Manager or email us at pivotmapper@nelsonirrigation.com.