

NELSON IRRIGATION CORPORATION OFFERS A FULL RANGE OF WATER APPLICATION SOLUTIONS FOR MECHANIZED IRRIGATION. FROM CONTROL VALVES TO PIVOT SPRINKLERS, AND PRESSURE REGULATORS TO END GUNS — THE PACKAGE IS COMPLETE.





SINCE 2015 THE 3030 SERIES SPRINKLER

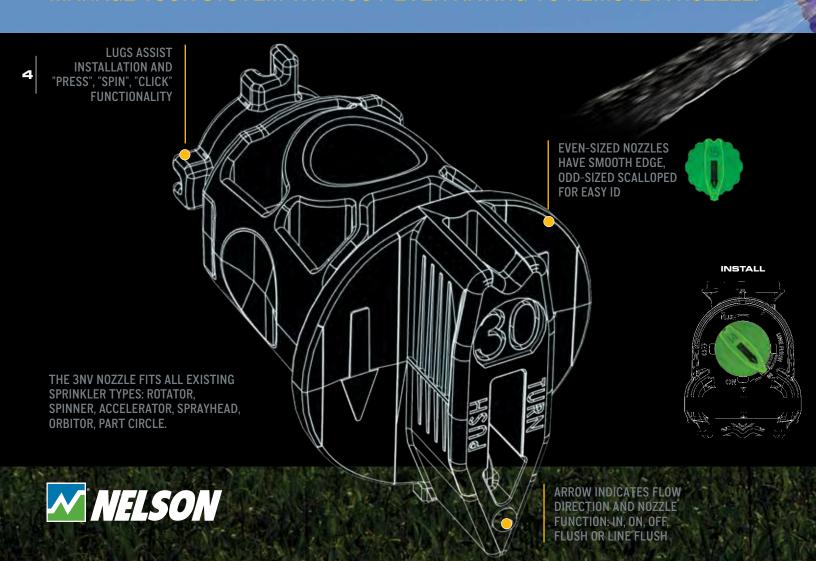
AT THE HEART OF THE 3030 SERIES IS THE 3NV NOZZLE. BUILT WITH THE PRECISION ACCURACY OF THE 3TN, THIS INNOVATIVE DIALNOZZLE COMBINES MULTIPLE FUNCTIONS SO YOU CAN EFFECTIVELY MANAGE YOUR SYSTEM.

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

MANAGE YOUR SYSTEM WITHOUT EVER HAVING TO REMOVE A NOZZLE.





FOR NEW SYSTEMS ...

Maximize efficiency & accuracy — install sprinklers, then walk the line and install nozzles.

Visually identify sprinkler modes for quality assurance.

Use flush function as needed depending on water quality.

GAIN LOTS, GIVE UP NOTHING.

SUPERIOR FLUSHING OPTIONS: Sequence to work debris through. It's never advised to stick something in a nozzle – the 3NV flushes with a quick and simple turn of the nozzle. No tools necessary.

"ON" AND "OFF" CAN BE SELECTIVE: If you're over-watering, or if you need to conserve water for a time, simply select the sprinklers you want to turn off. Consider the cost savings of having a built-in ball valve on every sprinkler!

OR SEAMLESS INTEGRATION INTO EXISTING SYSTEMS.

To gain the benefits of the new 3030 Series you simply need a new Nozzle & Body. Existing 3000 Series Cap, Plate, Regulator & Fittings integrate entirely. NOTE: Orbitor weight can be re-used but need new body/plate.

Since On, Off & Flush functions all take place without removing the nozzle, no more dropped or lost nozzles in the field!

A 3NV Dual Nozzle clip (with Hi-Flo, Lo-Flo differentiation) helps farmers adapt to differing watering needs such as crop establishment, chemigation or lowering water tables.













A FAMILY OF PRODUCTS FOR A MULTITUDE OF NEEDS

VAST DIFFERENCES IN CROPS. SOILS. FARMING PRACTICES AND CLIMATIC CONDITIONS WORLDWIDE. COUPLED WITH REGIONAL DIFFERENCES IN THE AVAILABILITY OF WATER AND ENERGY REQUIRE AN ARRAY OF SPRINKLER PERFORMANCE CHARACTERISTICS.

WE HAVE WHAT YOU NEED TO GET THE JOB DONE:





Widest Throw **Highest Uniformity** Low Application Rates



Streams Engineered for Low Pressure







Engineered Small Droplets



IN ORDER TO SELECT THE BEST PRODUCT FOR YOUR NEEDS CONSIDER THE FOLLOWING:



water and energy.

2 DESIRED UNIFORMITY & THROW DISTANCE

Rotator provides highest uniformity possible.

3 SOIL TYPES

Select the right throw diameter and droplet type to avoid runoff.





SHORT THROW DISTANCE OF FIXED SPRAY PROVIDES HIGH PRECIPITATION RATES SPRAY / 40' (12.8 M) DIAM.
BLACK PLATE / *36 NOZZLE @ 10 PSI (0.7 BAR)

WIDEST THROW ON DROP TUBES

WIDE THROW DISTANCE OF ROTATING STREAMS PROVIDES OPTIMAL (LOW) PRECIPITATION RATES ROTATOR / 70' (21.3 M) DIAM.



ORANGE PLATE / #36 NOZZLE @ 20 PSI (1.4 BAR)



SPRAYHEAD

LEPA & LESA Solutions





ORBITOR

Random Droplets Without Drift, Drool, Or Debris Hang-Up



ORBITOR FX

Random Droplet Pattern Up-Top Or On Rigid Drops





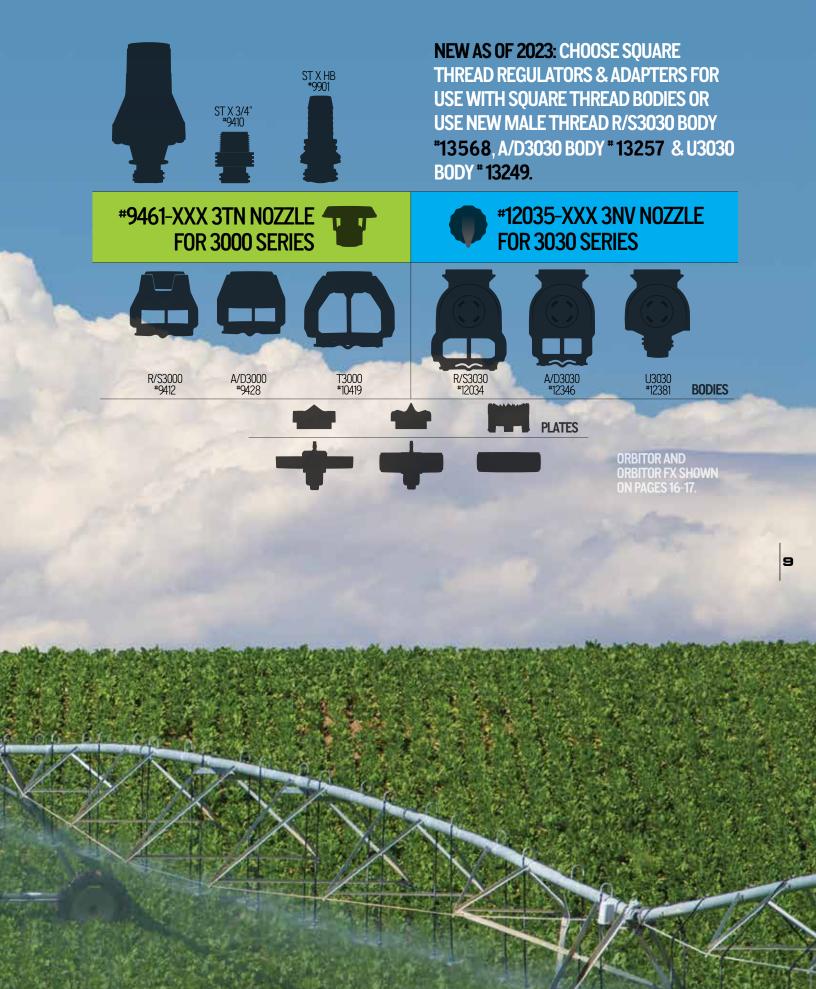
4 WIND CONDITIONS

Choose sprinkler with multi-trajectory plate options to fight the wind while also filling in the water pattern.

IN 1994, NELSON INTRODUCED 3000 SERIES PIVOT PRODUCTS.

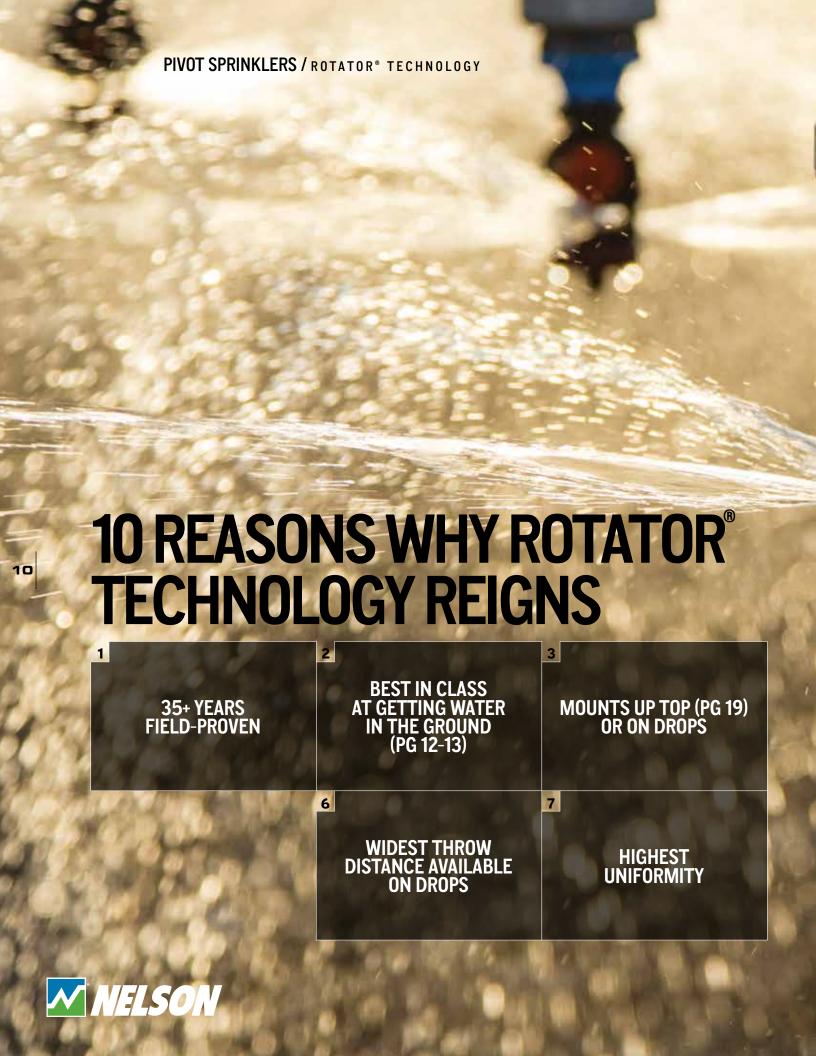
THE 3TN NOZZLE SYSTEM IS AT THE CENTER OF THIS LINE OF PRODUCTS. EACH SPRINKLER IS MADE UP OF A CAP, PLATE, BODY AND NOZZLE. THE 3TN NOZZLE IS INTERCHANGEABLE WITH ALL 3000 SERIES SPRINKLERS. A VARIETY OF CONNECTION DEVICES ARE AVAILABLE TO LINK THE SPRINKLER WITH A HOSE OR RIGID DROP. IN 2015, NELSON RELEASED THE 3030 SERIES, WITH A DIFFERENT NOZZLE/BODY SYSTEM BUT THE SAME PLATE/CAP/ADAPTER OPTIONS.





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GEOCROPICAL® OPTIONS

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The new Olive multi-trajectory plate is designed to maintain high uniformity at lower pressures than other Rotator configurations are able to offer. It can be used with the #12 nozzle through the #50 3TN and 3NV nozzles. Operate between 10-15 psi (0.7-1.0 bar) and achieve throw diameters up to 58' (17.7 m).

ORANGE ROTATOR SPECIALIZED SOLUTIONS MAXIMUM THROW AT 15-30 PSI (1-2 BAR) **BROWN ROTATOR GREEN ROTATOR HIGHEST** WIND-FIGHTING AT **UNIFORMITY AT** 20-50 PSI (1.4-3.4 BAR) 15-30 PSI (1-2 BAR) GOLD (LP*) MAROON (LP*) **ACCELERATOR ACCELERATOR** WIND-FIGHTING DIAMETER AT -15 PSI (0.4-1 BAR) STREAMS AT

LOW PRESSURE OPTIONS AVAILABLE (CHOOSE ROTATOR WITH OLIVE PLATE, OR ACCELERATOR)

MODULAR DESIGN CENTERED AROUND 3TN & 3NV NOZZLES

PRECISION ENGINEERED & MANUFACTURED FOR LONG WEAR LIFE

8

PART-CIRCLE VERSION AVAILABLE (PG 26)

*LOW PRESSURE

6-15 PSI (0.4-1 BAR)

PIVOT SPRINKLERS / ROTATOR® TECHNOLOGY

THE MACIC BEHIND THE STREAMS

THE ROTATOR® PELOTON EFFECT



The Rotator's slow rotation speed and multi-trajectory streams create a more uniform and wider wetted pattern. These streams of droplets create a "PELOTON EFFECT" – something completely unique in the industry.

As we're familiar with in bike racing, the front-runner reduces wind drag for the cyclists behind him. In the same manner, the Rotator's engineered streams allow smaller droplets to travel farther and with less energy.



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3030 SERIES / OPTIONS ROTATOR® 10-50 psi (0.7-3.4 bar) 50-74' (15.2-22.6 m) UP-TOP OR DROPS

GREATER THROW RADIUS. As a rotating type sprinkler the R3000 & R3030 Rotator® produce a wider pattern resulting in a lower application rate, reduced runoff and longer soak time.

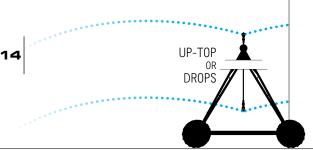
HIGHER UNIFORMITY. The Rotator greatly improves uniformity because of the increased overlap from adjacent sprinklers.

REDUCED WIND DRIFT AND EVAPORATIVE LOSS. The Rotator more than meets the challenge of putting a rotating type sprinkler on drop tubes — down out of the wind — to minimize wind drift and evaporative loss.

NOZZLE: **3TN OR 3NV** APPLICATION RATE: **LOW**

ACCELERATOR

6-15 psi (0.4-1 bar) 30-55' (9.1-16.8 m)





COMBINATION OF THROW DISTANCE AND SMALLER DROPLETS.

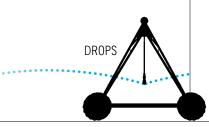
The Accelerator increases rotation speed through the nozzle range for the right balance of wind-fighting and proper treatment of the soil. Its unique design provides a low pressure option with the proven reliability and long wear life of the Rotator.

VERSATILITY. Maximizes performance of in-canopy water application and also provides a lower cost, low pressure solution in many above canopy applications. With no vibration, mount on any type of drop assembly or up-top.

NOZZLE: **3TN OR 3NV**APPLICATION RATE: **LOW-MEDIUM**

SPINNER

10-20 psi (0.7-1.4 bar) 42-54' (12.8-16.5 m)





GENTLE RAIN AT LOW PRESSURE. The free-spinning action of the S3000 & S3030 Spinner provides a gentle, rain-like droplet for sensitive soils and crops.

SUPERIOR UNIFORMITY AT LOW PRESSURE. A low pressure alternative to fixed spray-heads, the Spinner provides higher uniformity with better overlap and lower application rates.

NO MOUNTING RESTRICTIONS. The Spinner operates without vibration. Retrofit on rigid, semi-rigid, or flexible drop hose assemblies.

NOZZLE: **3TN OR 3NV**APPLICATION RATE: **LOW-MEDIUM**



THROW DIAMETER, PRESSURE & NOZZLE RANGE



MAX. #50 NOZ. MIN. #14 NOZ. a 30 PSI (2.0 BAR) *16 FOR LOW PRESS.

MAX. #50 NOZ. MIN. #14 NOZ. @ 15 PSI (1.0 BAR)

MAX. #50 NOZ. MIN. #14 NOZ. a 30 PSI (2.0 BAR) *16 FOR LOW PRESS.

MAX. #50 NOZ. MIN. #14 NOZ. a 15 PSI (1.0 BAR)

MAX. #50 NOZ. MIN. #14 NOZ. a 15 PSI (1.0 BAR)

MAX. #50 NOZ. MIN. #14 NOZ. @ 15 PSI (1.0 BAR)

MAX. #50 NOZ. MIN. #12 NOZ. @ 10 PSI (0.7 BAR)

BLUE UP-TOP U4-8°



70' DIAMETER (21.3 M) AT 12' (3.7 M) MOUNTING @ 30 PSI (2.0 BAR) *32 NOZZLE

> 20-50 PSI (1.4-3.4 BAR)

WHITE UP-TOP



74' DIAMETER (22.6 M) AT 12' (3.7 M) MOUNTING @ 30 PSI (2.0 BAR) *32 NOZZLE

> 15-30 PSI (1.0-2.0 BAR)

GREEN D4-8°



72' DIAMETER (21.9 M) AT 9' (2.7 M) MOUNTING @ 30 PSI (2.0 BAR) *32 NOZZLE

> 20-50 PSI (1.4-3.4 BAR)

RED D6-12°



66' DIAMETER (20.1 M) AT 9' (2.7 M) MOUNTING @ 25 PSI (1.7 BAR) *36 NOZZLE

> 15-30 PSI (1.0-2.0 BAR)

ORANGE MULTI-TRAJECTORY



72' DIAMETER (21.9 M) AT 9' (2.7 M) MOUNTING @ 25 PSI (1.7 BAR) *36 NOZZLE

15-30 PSI (1.0-2.0 BAR)

BROWN MULTI-TRAJECTORY



68' DIAMETER (20.7 M) AT 9' (2.7 M) MOUNTING @ 25 PSI (1.7 BAR) *36 NOZZLE

> 15-30 PSI (1.0-2.0 BAR)

OLIVE LOW PRESSURE



58' DIAMETER (17.7) AT 6' (1.8 M) MOUNTING @ 15 PSI (1.0 BAR) *36 NOZZLE

> 10-15 PSI (0.7-1.0 BAR)

MAROON

MAX. *50 NOZ. / MIN. *10 NOZ. @ 10 PSI (0.7 BAR) #18 @ 6 PSI

MAROON

MAX. #50 NOZ. / MIN. #10 NOZ. @ 15 PSI (1.0 BAR) *12 @10 PSI #18 @ 6 PSI

GOLD

54' DIAMETER

(16.5 M) AT 9'

(2.7 M) MOUNTING

@ 10 PSI (0.7 BAR)

*36 NOZZLE

MAX. *50 NOZ. / MIN. *10 NOZ. @ 15 PSI (1.0 BAR) *12 @10 PSI #18 @ 6 PSI

> NAVY UP-TOP



55' DIAMETER (16.8 M) AT 12' (3.7 M) MOUNTING @ 10 PSI (0.7 BAR) *36 NOZZLE

6-15 PSI (0.4-1.0 BAR)



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ACCELERATOR CAP

*32 NOZZLE 6-15 PSI (0.4-1.0 BAR)

48' DIAMETER

(14.6 M) AT 9'

(2.7 M) MOUNTING

@ 10 PSI (0.7 BAR)

6-15 PSI (0.4-1.0 BAR)



GRAY

SPINNER CAP

MAX. #50 NOZ. MIN. #14 NOZ. @ 15 PSI (1.0 BAR) *16 FOR LOW PRESS.

PURPLE

D6-20°

54' DIAMETER

(16.5 M) AT 6'

(1.8 M) MOUNTING

a 15 PSI (1.0 BAR)

*36 NOZZLE

MAX. #50 NOZ. MIN. *14 NOZ. @ 15 PSI (1.0 BAR) *16 FOR LOW PRESS.

YELLOW

D8-21°

MAX. #15 NOZ. MIN. #10 NOZ. @ 10 PSI (0.7 BAR)

50' DIAMETER (15.2 M) AT 6' (1.8 M) MOUNTING @ 15 PSI (1.0 BAR) #36 NOZZLE

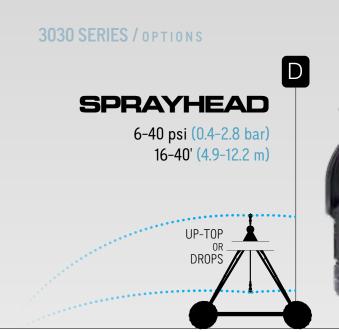
10-15 PSI (0.7-1.0 BAR)





10-20 PSI (0.7-1.4 BAR)

10-20 PSI (.7-1.4 BAR)



GERMINATE, **IRRIGATE** & **CHEMIGATE**. The flip-over dual spray cap allows easy conversion of the spray pattern. Choose from spray plate options to germinate, irrigate, and chemigate.

"LOW ENERGY DOWN IN THE CROP". The sleek, crop-guarded body design provides durability for dragging the Sprayhead down in tall growing crops like corn.

OPTIONAL LEPA ACCESSORIES. The hose drag adapter allows simple conversion of the Sprayhead to a hose drag system. Both the D3000 and D3030 have "bubble" modes for LEPA. D3000 requires bubble clip - see page 22.

NOZZLE: 3TN OR 3NV
APPLICATION RATE: HIGH

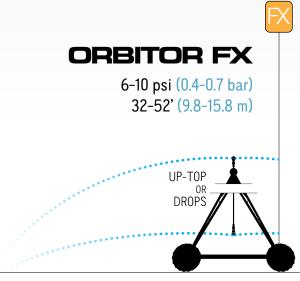


STREAMLINED DESIGN. Featuring technology that eliminates the struts of a sprinkler body, Nelson's Pivot Orbitor provides outstanding uniformity and optimal droplets at low pressures (6-20 psi / 0.4-1.4 bar). Expect long wear life and durability in poor water conditions, because there are no sprinkler body struts for debris to hang up on.

REDUCED WIND DRIFT AND EVAPORATIVE LOSS. Strutless sprinkler body design reduces droplet breakup, drift and drool.

IMPORTANT! THE ORBITOR REQUIRES A MINIMUM OF 2' (0.6 M) OF REINFORCED FLEXIBLE HOSE IN THE MOUNTING ASSEMBLY.

NOZZLE: 3NV
APPLICATION RATE: LOW-MEDIUM



NELSON



RANDOM DROPLETS. The Orbitor FX is Nelson's newest pivot sprinkler. It makes the proven Orbitor technology available in a counter-balanced low vibration product for up-top applications or rigid drops.

RAIN-LIKE PATTERN AT LOW PRESSURE. The black plate is specially designed for growers who desire low pressure random droplet patterns on rigid galvanized or semi-rigid polyethylene drops.

FOR UP-TOP APPLICATION, use galvanized (maximum riser of 4 ft (1.2 m)) or proven plastic nipples (no PVC nipples).

NOZZLE: 3NV
APPLICATION RATE: LOW-MEDIUM

THROW DIAMETER, PRESSURE & NOZZLE RANGE



SPRAYHEAD CAP





SEE SPRAYHEAD LITERATURE FOR PLATE CHARACTERISTICS, THROW DIAMETER AND PRESSURE/NOZZLE RANGES. THE SPRAYHEAD CAN BE USED UP-TOP OR ON DROPS.



MIN. #11 NOZ. @ 10 PSI #16 @ 6 PSI

MIN. #11 NOZ. @ 10 PSI #16 @ 6 PSI

MIN. #11 NOZ. @ 10 PSI #16 @ 6 PSI

BLACK STANDARD ANGLE



58' DIAMETER (17.7 M) AT 6' (1.8 M) MOUNTING @ 15 PSI (1.0 BAR) *36 NOZZLE

> 6-20 PSI (0.4-1.4 BAR)

BLUE LOW ANGLE



50' DIAMETER (15.2 M) AT 6' (1.8 M) MOUNTING @ 15 PSI (1.0 BAR) *36 NOZZLE

> 6-20 PSI (0.4-1.4 BAR)

PURPLE SMALL DROPLET



47' DIAMETER (14.3 M) AT 6' (1.8 M) MOUNTING @ 15 PSI (1.0 BAR) #36 NOZZLE

6-20 PSI (0.4-1.4 BAR)



ORBITOR WITH WEIGHTED COVER



ORBITOR WITH PLASTIC COVER



MIN. #12 NOZ. @ 10 PSI #16 @ 6 PSI

MIN. *11 NOZ. @ 10 PSI #16 @ 6 PSI



46' DIAMETER

(14.0 M) AT 6' (1.8 M) MOUNTING @ 10 PSI (0.7 BAR) *36 NOZZLE

> 6-10 PSI (0.4-0.7 BAR)



50' DIAMETER (15.2 M) AT 12' (3.7 M) MOUNTING @ 10 PSI (0.7 BAR) *36 NOZZLE

> 6-10 PSI (0.4-0.7 BAR)



TRASHBUSTER

PRESSURE & THROW DEPENDS ON SPRINKLER SELECTION

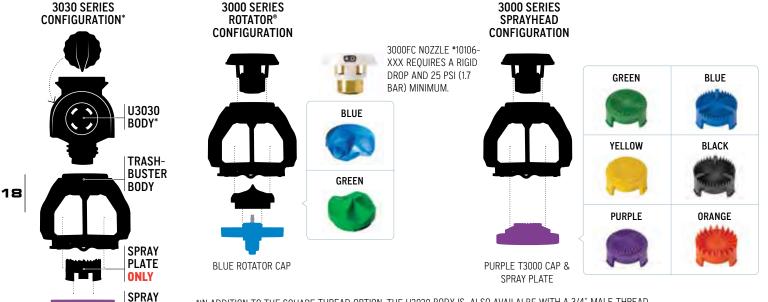
NOZZLE: 3TN, 3NV (SPRAY ONLY), OR 3000FC APPLICATION RATE: LOW-HIGH



FLOW CONTROL NOZZLE. The Flow Control Nozzle (only available for 3000 Series) not only eliminates the need for pressure regulators, but also passes debris more easily. It is not to be used on flexible hose drop assemblies.

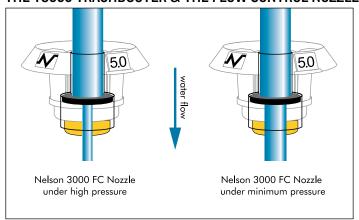
BODY DESIGNED FOR WASTEWATER. The open architecture design of the body allows for debris to pass through more easily, alleviating build up of material on the plate and body.

BY OPERATING ON DROP TUBES you can distribute effluent more days of the year, keep corrosive water off the pivot structure, eliminate excess wind/pathogen drift, and reduce odor. The Trashbuster can be configured into either a Spray or Rotator sprinkler.



*IN ADDITION TO THE SQUARE THREAD OPTION, THE U3030 BODY IS ALSO AVAILALBE WITH A 3/4" MALE THREAD

THE T3000 TRASHBUSTER & THE FLOW CONTROL NOZZLE



BENEFITS OF THE 3000FC IN WASTEWATER

The 3000FC Flow Control Nozzle adapts Nelson's patented flow control technology to the 3000 Series sprinkler line. This proven technology uses a flexible orifice which contracts as pressure increases, allowing the flow rate discharge to be held constant, regardless of pressure fluctuations.

The flexible nature of the rubber combines with the relaxation of the orifice at low pressure (i.e. system start-up and shutdown) to create a very plug resistant, compensating sprinkler package. CAUTION! Trashbuster sprinklers utilizing the 3000FC nozzle should be mounted on rigid drops or up-top.



CAP ONLY

CATERING TO CROP SPECIFIC NEEDS



THE R3030 ROTATOR® CAN OPERATE

DOWN TO 15 PSI (1.0 BAR) WITH HIGH

SPECIFICALLY ENGINEERED AND FINELY-

UNIFORMITY AND IMPRESSIVE WIND RESISTANCE, MADE POSSIBLE BY

TUNED ROTATING PLATES.

Rotator® / WHITE PLATE 15 - 30 PSI (1.0-2.0 bar)



AT 10 PSI (0.7 BAR), THE ACCELERATOR WITH THE NAVY PLATE OFFERS LOW PRESSURE

ADVANTAGES OVER SPRAYHEADS

ON TOP OF THE PIPE.



AT 10 PSI (0.7 BAR), THE WHITE PLATE 03030FX IS ENGINEERED TO REDUCE MIST COMING OFF THE SPRINKLER. ITS LOW-TRAJECTORY PATTERN HELPS FIGHT WIND DRIFT.

Orbitor FX / WHITE PLATE 6 - 10 PSI (0.4-0.7 bar)

NIPPLE #12291

NOST

ACCELERATOR WITH NAVY PLATE & 10 PSI PRESSURE REGULATOR

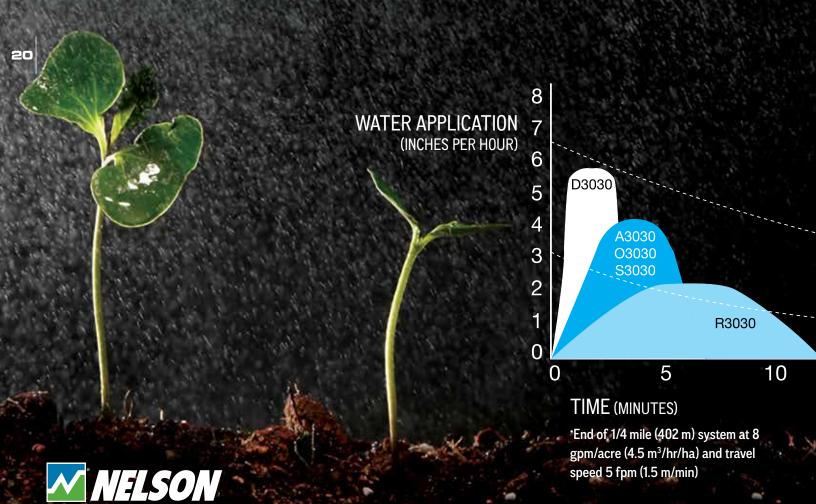
EVALUATION OF THESE PRODUCTS ON TOP OF THE PIVOT PIPE IN NEBRASKA HAS SHOWN MINIMAL WATER LOSSES AND EXCELLENT **APPLICATION EFFICIENCY**

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TREAT THE SOIL RIGHT.

WE'D NEVER CRITICIZE MOTHER NATURE, BUT SOMETIMES "RAIN-LIKE" IRRIGATION IS NOT THE BEST FOR SOIL INTEGRITY. SOIL TEXTURES REACT DIFFERENTLY TO DROPLET SIZE AND VELOCITY (INTENSITY) AND IT'S IMPORTANT TO UNDERSTAND HOW A "WET / REST" CYCLE CAN BE VERY BENEFICIAL TO A FIELD. ROTATING STREAMS OVER A WIDE PATTERN HAVE PROVEN TO BE THE BEST POSSIBLE WAY TO TREAT THE SOIL.

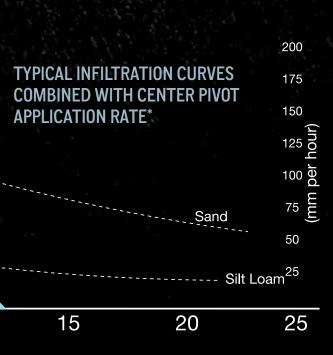
THE RATE AT WHICH A CENTER
PIVOT APPLIES WATER INCREASES
WITH THE HIGHER FLOW DEMANDS
REQUIRED AT THE OUTER PORTION
OF A CENTER PIVOT. BY INCREASING
THE WETTED THROW DISTANCE
OF THE SPRINKLER, THE RATE AT
WHICH WATER IS APPLIED CAN BE
REDUCED TO MATCH THE SOIL'S
INFILTRATION RATE. LOOK AT A
TYPICAL INFILTRATION CURVE BELOW.

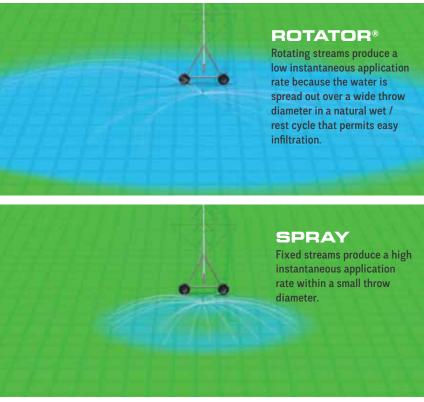


WITH SUPERIMPOSED APPLICATION RATES FOR CENTER PIVOT SPRINKLERS, IT IS OBVIOUS THAT THE ROTATOR®, WHICH PROVIDES THE WIDEST THROW DISTANCE ON DROP TUBES, COMES THE CLOSEST TO MATCHING INFILTRATION RATES OF THE SOIL. THE BEST CONDITION FOR INFILTRATION IS TO KEEP THE SOIL SURFACE OPEN AND APPLY WATER USING A WIDE APPLICATION WIDTH.

WITHOUT SPRINKLER PERFORMANCE THAT CAN APPLY WATER AT AN APPLICATION RATE THAT MORE CLOSELY MATCHES THE INFILTRATION RATE OF THE SOIL, THE EFFICIENCY GAINED WITH DROPS — AND MONEY SAVED WITH LOW PRESSURE — IS SOON LOST TO RUNOFF.

Average application rate (AAR) is the rate of water application over the wetted area. It is an average value assuming uniformity within the wetted area. Pivot average application rates increase with the higher flow demands required at the outer portion of a center pivot. Comparably, in analyzing different sprinkler options, superior throw distance yields lower average application rates.





LOW ENERGY, LOW ELEVATION / "LE" SOLUTIONS FOR PIVOTS





LOW ENERGY/ELEVATION PRECISION APPLICATION

U3030

+ HOSE DRAG

Germinate Irrigate Chemigate **Bubble** Drag

U3030 BODY (*12381) HOSE DRAG ADAPTER (*9427)





BUBBLER ATTACHMENT (*10577) FOR D3000 ONLY

STRAIGHT-DOWN BUBBLE MODE (NO SPECIAL PLATE/CLIP REQUIRED)

LEPA / TAN BUBBLE-WIDE

The Tan Bubble-Wide plate is now available for Low Energy Precision Applications in the 6-10 psi range (0.4-0.7 bar) using nozzle sizes #9-#50. This configuration creates a wider dome of water than standard straight down bubblers providing full coverage irrigation. This pattern treats the soil better and can increase efficiencies by reducing wind drift and evaporation versus standard Spray plates. Space from 15" to 60".

BUBBLE MODE WITH SPRINKLER CONVERTER (ACCELERATOR MODE)



0ps1/.70 bar

FLIP-OVER HOSE DRAG CAP ASSEMBLY (*12676) FOR R3030/S3030 & A3030/D3030 B0DY

(SIMPLY FLIP TO FIT)



ACCELERATOR MODE WITH

SPRINKLER

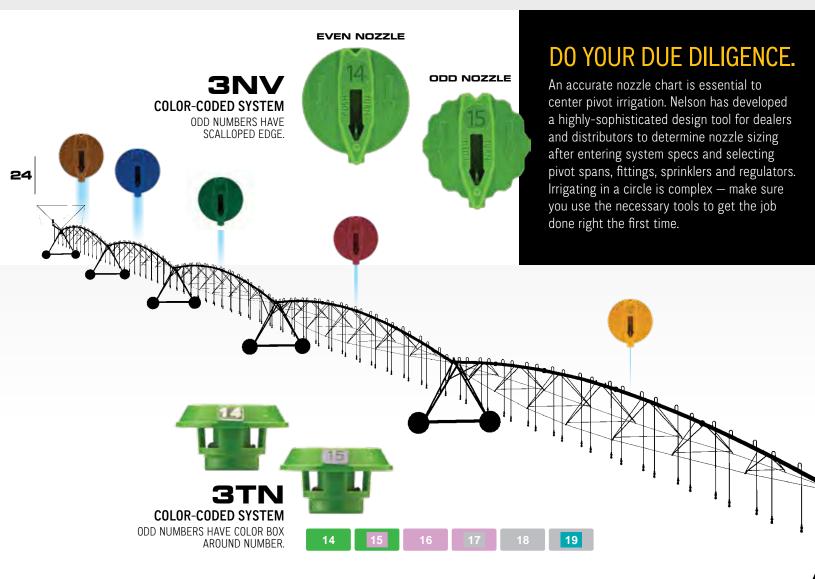
CONVERTER

SPRAY MODE WITH

SPRINKLER

CONVERTER

PRECISION IRRIGATION — BEGINNING TO END





PERFORMANCE DATA



The nozzle sizing system is based on 128th inch increments, e.g. 3TN/3NV Nozzle *26 has an orifice diameter of 26/128th inches while 3TN/3NV Nozzle *27 has an orifice diameter of 27/128th inches. For 3TN Nozzles, the odd-numbered nozzles have a color box around the number marking. This color box denotes the color of the next larger nozzle size. The odd-numbered 3NV Nozzles have a scalloped edge rather than secondary coloring.

	NOZZL	E#	#(9	"1	0	#-	11	#1	12		13	#-	14	*1	15	*1	6	#1	17	#-	18	*1	19
	COL	.OR	LIGHT	BLUE	BEI	IGE	BE	IGE	GO	LD	GC	DLD	LII	ME	LII	VIE	LAVE	NDER	LAVE	NDER	GF	RAY	GR	RAY
COLO	R BOX (3T	TN)	BEI	GE			GO	LD			LII	ME			LAVE	NDER			GR	AY			TURQ	UOISE
PSI	BAR	R	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM
6	0.4	1	0.34	1.28	0.42	1.58	0.50	1.90	0.61	2.31	0.71	2.70	0.82	3.10	0.95	3.61	1.08	4.10	1.22	4.63	1.36	5.13	1.53	5.78
10	0.7	7	0.44	1.65	0.54	2.03	0.65	2.45	0.79	2.98	0.92	3.48	1.06	4.00	1.23	4.67	1.40	5.29	1.58	5.98	1.75	6.63	1.97	7.46
15	1.0)	0.53	2.02	0.66	2.49	0.79	3.00	0.96	3.64	1.13	4.27	1.29	4.90	1.51	5.72	1.71	6.48	1.93	7.32	2.14	8.11	2.41	9.14
20	1.4	ļ	0.62	2.33	0.76	2.88	0.92	3.47	1.11	4.21	1.30	4.93	1.49	5.65	1.74	6.60	1.98	7.49	2.23	8.45	2.48	9.37	2.79	10.55
25	1.7	7	0.69	2.61	0.85	3.22	1.02	3.87	1.24	4.71	1.46	5.51	1.67	6.32	1.95	7.38	2.21	8.37	2.50	9.45	2.77	10.48	3.12	11.80
30	2.1	1	0.76	2.86	0.93	3.52	1.12	4.24	1.36	5.15	1.59	6.04	1.83	6.92	2.14	8.08	2.42	9.17	2.74	10.35	3.03	11.48	3.41	12.92
40	2.8	3	0.87	3.30	1.07	4.07	1.29	4.90	1.57	5.95	1.84	6.97	2.11	8.00	2.47	9.33	2.80	10.59	3.16	11.96	3.50	13.25	3.94	14.92
50	3.4	4	0.97	3.69	1.20	4.55	1.45	5.48	1.76	6.65	2.06	7.79	2.36	8.94	2.76	10.43	3.13	11.84	3.53	13.37	3.91	14.81	4.41	16.68

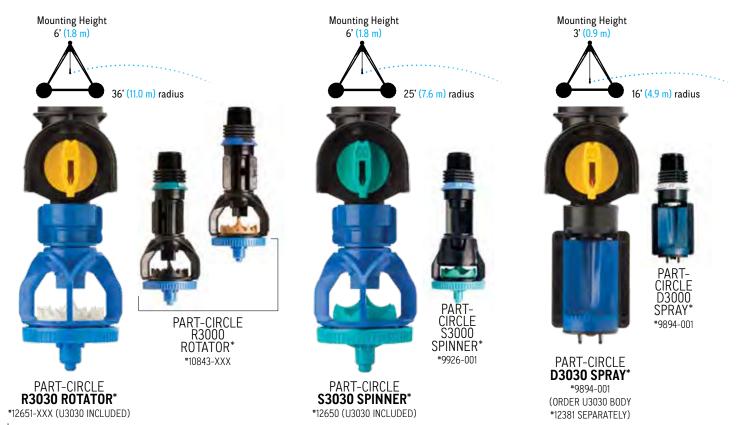
	NOZZLE #	#2	20	#:	21	#2	22	#:	23	= 2	24	#2	25	#2	26	= 2	27	=:	28	#:	29	#3	30
	COLOR	TURQ	UOISE	TURQ	UOISE	YEL	LOW	YEL	LOW	R	ED	R	ED	WH	IITE	WH	IITE	BL	.UE	BL	.UE	DARK I	BROWN
COLOR B	OX (3TN)			YEL	LOW							WH	IITE			BL	.UE			DARK	BROWN		
PSI	BAR	GPM	LPM	GPM	LPM	GPM	LPM																
6	0.4	1.70	6.43	1.84	6.97	2.04	7.73	2.22	8.39	2.44	9.25	2.64	9.99	2.87	10.85	3.07	11.64	3.35	12.67	3.58	13.54	3.83	14.50
10	0.7	2.19	8.30	2.38	9.00	2.64	9.97	2.86	10.83	3.16	11.94	3.41	12.89	3.70	14.01	3.97	15.02	4.32	16.36	4.62	17.48	4.94	18.72
15	1.0	2.69	10.17	2.91	11.03	3.23	12.22	3.50	13.26	3.86	14.63	4.17	15.79	4.53	17.16	4.86	18.40	5.29	20.03	5.66	21.41	6.06	22.92
20	1.4	3.10	11.74	3.36	12.73	3.73	14.11	4.05	15.32	4.46	16.89	4.82	18.23	5.23	19.81	5.61	21.24	6.11	23.13	6.53	24.73	6.99	26.47
25	1.7	3.47	13.12	3.76	14.23	4.17	15.77	4.52	17.12	4.99	18.89	5.38	20.38	5.85	22.15	6.27	23.75	6.83	25.86	7.30	27.65	7.82	29.60
30	2.1	3.80	14.38	4.12	15.59	4.56	17.28	4.96	18.76	5.47	20.69	5.90	22.33	6.41	24.27	6.87	26.02	7.48	28.33	8.00	30.28	8.56	32.42
40	2.8	4.39	16.60	4.76	18.00	5.27	19.95	5.72	21.66	6.31	23.89	6.81	25.78	7.40	28.02	7.94	30.04	8.64	32.71	9.24	34.97	9.89	37.44
50	3.4	4.90	18.56	5.32	20.13	5.89	22.30	6.40	24.22	7.06	26.71	7.61	28.83	8.28	31.33	8.87	33.59	9.66	36.58	10.33	39.10	11.06	41.85

	NOZZLE #	#	31	#3	32	#3	33	#3	34	#3	35	=:	36	#3	37		"38		"39	#2	10	=,	41
	COLOR	DARKI	BROWN	ORA	NGE	ORA	NGE	DARK	GREEN	DARK	GREEN	PUF	RPLE	PUR	RPLE	BL	ACK	BL	ACK	DA	RK	DK. TUF	RQUOISE
COLOR	BOX (3TN)	ORA	NGE			DARK	GREEN			PUF	RPLE			BL/	ACK			DK. TUI	RQUOISE	TURQ	UOISE	MUS	TARD
PSI	BAR	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM														
6	0.4	4.06	15.35	4.36	16.51	4.65	17.59	4.94	18.69	5.20	19.70	5.47	20.70	5.84	22.11	6.18	23.38	6.52	24.69	6.85	25.95	7.26	27.48
10	0.7	5.24	19.82	5.63	21.31	6.00	22.71	6.37	24.13	6.72	25.43	7.06	26.72	7.54	28.55	7.97	30.19	8.42	31.87	8.85	33.49	9.37	35.48
15	1.0	6.41	24.27	6.89	26.10	7.35	27.82	7.81	29.55	8.23	31.15	8.65	32.73	9.24	34.97	9.77	36.97	10.31	39.03	10.84	41.02	11.48	43.45
20	1.4	7.40	28.03	7.96	30.14	8.49	32.12	9.01	34.12	9.50	35.96	9.98	37.79	10.67	40.37	11.28	42.69	11.91	45.07	12.51	47.37	13.26	50.18
25	1.7	8.28	31.34	8.90	33.69	9.49	35.91	10.08	38.15	10.62	40.21	11.16	42.25	11.92	45.14	12.61	47.73	13.31	50.39	13.99	52.96	14.82	56.10
30	2.1	9.07	34.33	9.75	36.91	10.39	39.34	11.04	41.79	11.64	44.05	12.23	46.29	13.06	49.45	13.81	52.29	14.58	55.20	15.33	58.01	16.23	61.45
40	2.8	10.47	39.64	11.26	42.62	12.00	45.43	12.75	48.26	13.44	50.86	14.12	53.45	15.08	57.10	15.95	60.38	16.84	63.74	17.70	66.99	18.75	70.96
50	3.4	11.71	44.32	12.59	47.65	13.42	50.79	14.25	53.95	15.02	56.86	15.79	59.75	16.86	63.84	17.83	67.50	18.83	71.26	19.79	74.90	20.96	79.34

	NOZZLE #	#2	42	#2	13	#	44	#,	45	=2	16	=,	47	=2	18	" 49		#!	50
	COLOR	MUS	TARD	MUS	TARD	MAF	ROON	MAF	ROON	CRI	EAM	CRI	EAM	DARK	BLUE	DARK	BLUE	COF	PPER
COLOR	BOX (3TN)			MAR	OON			CRI	EAM			DARK	BLUE			COP	PER		
PSI	BAR	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM										
6	0.4	7.60	28.76	7.96	30.14	8.33	31.52	8.73	33.04	9.11	34.50	9.58	36.26	9.96	37.71	10.31	39.03	10.77	40.78
10	0.7	9.81	37.13	10.28	38.91	10.75	40.70	11.27	42.65	11.77	44.55	12.36	46.81	12.86	48.68	13.31	50.39	13.91	52.65
15	1.0	12.01	45.47	12.59	47.65	13.17	49.84	13.80	52.24	14.41	54.56	15.14	57.32	15.75	59.63	16.30	61.71	17.03	64.48
20	1.4	13.87	52.50	14.54	55.02	15.20	57.55	15.93	60.32	16.64	63.00	17.49	66.19	18.19	68.85	18.82	71.26	19.67	74.46
25	1.7	15.51	58.70	16.25	61.52	17.00	64.34	17.81	67.44	18.61	70.43	19.55	74.01	20.33	76.98	21.05	79.67	21.99	83.25
30	2.1	16.99	64.30	17.80	67.39	18.62	70.49	19.51	73.87	20.38	77.15	21.42	81.07	22.28	84.32	23.05	87.27	24.09	91.19
40	2.8	19.61	74.25	20.56	77.82	21.50	81.39	22.53	85.30	23.54	89.09	24.73	93.61	25.72	97.37	26.62	100.77	27.82	105.30
50	3.4	21.93	83.01	22.98	87.00	24.04	91.00	25.19	95.37	26.31	99.61	27.65	104.66	28.76	108.86	29.76	112.66	31.10	117.73



PART-CIRCLE OPTIONS



*Part numbers do not include nozzles or square thread adapters. PC-R3030 and S3030 part numbers include U3030 body. #12381 must be ordered separately for the PC-D3030.

These part-circle sprinklers can be used for dry wheel track solutions, hose boom applications or a simple end of system addition. Part-circle options include the PC-Rotator®, PC-Spinner and PC-Sprayhead. All sprinklers are available in both 3000 series (with 3TN nozzle) and 3030 series (with 3NV nozzle). The 3030 series utilizes the Universal Adapter (U3030).

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FOR PC-ROTATOR: MOUNT ONLY ON A STRAIGHT RIGID DROP OR A HOSE BOOM UTILIZING A TORQUE CLIP AND SIDEFORCE CONTROL FITTING SUCH AS THE IACO HB.

	3030	Plate	Nozzle	Pressure	Assy (less		Components	
	SERIES	Color	Range	(PSI)	nozzle)	Cap/Plate Assy	Body/Deflector	U3030 Body
	DO DO000	White	#14-23	15-25	12651-002	11075-002		
l	PC-R3030	Tan	#24-39	15-25	12651-003	11075-003	13443	
l		Black	#40-50	15-30	12651-001	11075-001	13443	12381
	PC-S3030	Turquoise	#14-50	10-20	12650	10949-001		
	PC-D3030	Blue	#9-50	6-20	NA	NA	9894-001	

3000	Plate	Nozzle	Pressure	Assy (less		Components	
SERIES	Color	Range	(PSI)	nozzle)	Cap/Plate Assy	Body	Deflector
DO DOCCO	White	#14-23	15-25	10843-002	11075-002		
PC-R3000	Tan	#24-39	15-25	10843-003	11075-003	10419	0727
	Black	#40-50	15-30	10843-001	11075-001		9736
PC-S3000	Turquoise	#14-50	10-20	9926-001	10949-001	9412	
PC-D3000	Blue	#9-50	6-20	NA	NA	989	1-001

BOOMBACKS Installations on boombacks minimize the compromise in uniformity that occurs when part-circle devices are utilized.







NOZZLE CLIPS

Nelson Pivot Sprinklers can be equipped with two or three nozzles using the 3TN Dual Nozzle Clip or 3TN Triple Nozzle Clip. The 3030 Series has a dual nozzle clip. These devices allow you to precisely match crop water requirements through the season. During germination, lower system flow rates lessen the intensity of water droplets to maintain proper soil structure and reduce runoff. Adjust the system flow as crop water requirements or well outputs change.





- Change system flow quickly and accurately.
- No more fumbling with or dropping nozzles.

Note: Do not operate in down-in-the-crop applications, or with the Chemigation Spray Plate.

3NV DNC DISSASSEMBLY DEVICE

Use this tool to remove and change 3NV Nozzles from the 3NV Dual Nozzle clips. Simply insert tool teeth into nozzle



CONNECTIONS & WEIGHTS







MNPT X (HB) [#]10148



ST ADAPTER



X (HB) #9901 MNPT NIPPLE

FITTINGS

User-friendly HOSE BARB FITTINGS. Easy installation into 3/4" flexible hose. Eliminates additional fittings. The convenience of the 15/16" Hex Adapter is unique to Nelson fittings. Secure fittings using 15/16" deep well socket or open end wrench.







GOOSENECK

NEW! GEESENECK

NEW! 125°

SUPERIOR FLOW CAPACITY SAVES ENERGY

- Spinweld technology allows for larger and more efficient inside diameters.
- 180° goosenecks have less than half the friction loss of comparable products (1 psi {0.07 bar} of friction loss @ 22 gpm {83 lpm}).

DURABLE AND CORROSION-RESISTANT PLASTIC

- Lower cost than traditional metal goosenecks.
- Will not rust over time, therefore prevents nozzle plugging.
- Can handle intense tension force.

Eliminates extra fittings and provides easier and more reliable installation into span pipe.

INSTALLATION NOTES:

If adding sealant, use only Teflon tape or pipe lubricants safe for plastics. When used on semi-rigid or rigid drops, limit drop length to 96 inches (2.4 m) AND one foot (0.31 m) below trussing in span center. For ease of installation, retrofit packages may require chasing coupler threads with a tap.





COIL WEIGHT

Save a fitting with integrated Hose Barb x 3/4" MNPT connection. 1 lb. option includes plastic cover over coil to deter theft. 0.85 lb. option available without cover. The in-line coil weight is for use with 3000 & 3030 Series Sprinklers. This low profile weight fits directly into a flexible drop hose secured with a clamp, above a Nelson regulator and/or sprinkler. This includes the plastic cover version of the 03000 and 03030 at 6, 10 or 15 psi (0.4, 0.7 or 1 bar) where the regulator must be installed directly on the coil weight. No additional weight is allowed with the weighted Orbitor.



WEIGHT FOR DROP HOSE

The 1 lb. modular weight (#10130) fits onto the pressure regulator, but if pressure regulators are not used, the weight fits directly on the body of the sprinkler (not to be used with male thread (MT) 3030 bodies, Orbitor and Orbitor FX). The 1 lb. Modular Pivot Weight is designed for sprinklers operating at 20 PSI (1.4 BAR) and below.



THREADED WEIGHT ADAPTER

Use with Nelson 1 lb. modular weight and competitive integral weights.



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 and Orbitor FX 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) can be used with poly slip weights.



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PRECISION ACCURACY IN TOUGH FIELD ENVIRONMENTS

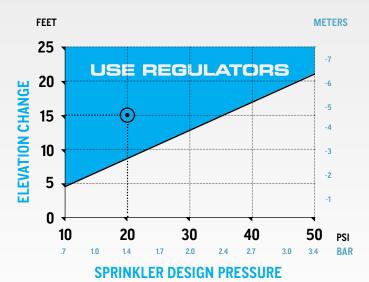
THE BENEFITS OF REGULATORS INCLUDE A UNIFORM DEPTH OF WATER APPLICATION, CONTROLLED SPRINKLER PERFORMANCE (DROPLET SIZE AND THROW DISTANCE), AND FLEXIBILITY IN SYSTEM OPERATION.

CHOOSE FROM THE FIELD-PROVEN UNI-FLO OR THE NEW ALL-FLO

HOW MUCH ELEVATION CHANGE IS ACCEPTABLE?

The graph below shows the point at which regulators will be required for a given design pressure and elevation change along the pivot. Notice that lower design pressure allows less elevation change before pressure regulators are recommended.

NOTE: Even if elevation changes do not require pressure regulators, you should consider them for their other advantages.



TECHNICAL TIPS FOR REGULATORS

IMPORTANT: Allow approximately 5 PSI (.35 BAR) extra pressure in order for the regulator to function properly. For example, the minimum design pressure for a 20 PSI (1.4 BAR) pressure regulator is 25 PSI (1.7 BAR).

IMPORTANT: If your system is designed with Nelson sprinklers, use Nelson Pressure Regulators. Individual manufacturers' pressure regulator performance varies. Interchanging could result in inaccurate nozzle selection.



UNI-FLO	6 PSI (0.4 bar)		15 PSI (1.0 bar)		25 PSI (1.7 bar)			50 PSI (3.4 bar)
3/4" FNPT X SQUARE THREAD	9572-001	9572-002	9572-003	9572-004	9572-005	9572-006	9572-007	9572-008
3/4" FNPT X 3/4" FNPT	9491-001	9491-002	9491-003	9491-004	9491-005	9491-006	9491-007	9491-008









ACCURATE

 A large diaphragm means less force is required for the regulator to make small adjustments. That means better accuracy, and in turn, more uniform irrigation.

REDUCED PLUGGING

- The offset, steep-sloped seat is out of the flow path, preventing debris hang-up.
- The patented, angled plunger minimizes restrictions.

FULL NOZZLE RANGE

- The plunger has 52% more area than other regulators, which supports a wide flow range (0.5–20 gpm)
- One regulator fits the full pivot sprinkler nozzle range.



ALL-FLO	6 PSI (0.4 bar)	10 PSI (0.7 bar)	15 PSI (1.0 bar)	20 PSI (1.4 bar)	25 PSI (1.7 bar)	30 PSI (2.0 bar)	35 PSI (2.4 bar)	40 PSI (2.8 bar)	50 PSI (3.4 bar)
3/4" FNPT X SQUARE THD	12616-006	12616-010	12616-015	12616-020	12616-025	12616-030	12616-035	12616-040	12616-050
3/4" FNPT X 3/4" FNPT	12612-006	12612-010	12612-015	12612-020	12612-025	12612-030	12612-035	12612-040	12612-050

GAINING GROUND

NELSON HAS BEEN IN THE END OF PIVOT BUSINESS FOR A LOT OF YEARS NOW. AS TIMES ARE CHANGING - AND THE NEED FOR LOWER PRESSURE OPTIONS IS EVIDENT - WE'VE ADDED TO OUR OFFERING. THERE'S EVERYTHING FROM 15-80 PSI (1.0-5.5 BAR), 40-120 FEET (12-37 M), AND 28-300 GPM (6-68 M³/H).



دد

END OF PIVOT SPRINKLER OPTIONS FOR SHORT & LONG RADIUS OF THROW



R55VT

40-55' (12-17m) @ 15-60 PSI (1.0-4.2 bar)

19 gpm-105 gpm (4.2 m³/h-23.8 m³/h)



_ R75

50-70' (15-21 m) @ 25-60 PSI (1.7-4.2 bar)

24 gpm-70 gpm (5.4 m³/h-15.4 m³/h)



SR75

70-90' (21-28 m) @ 25-80 PSI (1.7-5.5 bar)

30 gpm-160 gpm (6.8 m³/h-36.3 m³/h)



SR100

90-120' (28-37 m) @ 40-80 PSI (2.8-5.5 bar)

50 gpm-300 gpm (11.4 m³/h-68.2 m³/h)

TYPICAL ADDED ACREAGE ON A 1/4 MILE PIVOT

Up to 10 acres (4.0 ha) irrigating full circle Up to 6 acres (2.4 ha) corners only Up to 13 acres (5.3 ha) irrigating full circle Up to 7 acres (2.8 ha) corners only Up to 17 acres (6.9 ha) irrigating full circle Up to 9 acres (3.6 ha) corners only

Tel: +1 509.525.7660 / nelsonirrigation.com / info@nelsonirrigation.com

Up to 23 acres (9.3 ha) irrigating full circle Up to 11 acres (4.5 ha) corners only



ADDITIONAL ACREAGE AT LOW PRESSURE



NO OTHER END OF PIVOT SPRINKLER **WORKS IN THE LOW PRESSURE RANGE** OF 15-60 PSI (1-4 BAR) AND PROVIDES **UP TO 10 ADDITIONAL IRRIGATED ACRES (ON A 1/4 MILE PIVOT).**

The R55 VT End of Pivot Sprinkler is changing the way farmers irrigate with center pivots. It can be used to pick up added acreage both throughout the full revolution of the pivot or just in the corners, depending on site specifics and irrigator preferences. It can be used in conjunction with a higher volume Big Gun® Sprinkler - or on its own. The R55 VT (with blue plate) is to be mounted in an upright position at the end of the overhang.

The New R55i VT, with a specially engineered green 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, green plate than for the blue plate.

> Nelson's R55VT and R75 End of Pivot Sprinklers are now even easier to add to any center pivot system with the End Sprinkler Adapter. Choose from the heavy-duty NPT or BSP threaded options. This adapter eliminates expensive fittings and is very easy to install. (Not to be used with impact sprinklers.)

A SECONDARY END GUN CAN PICK UP EXTRA ACRES BY IRRIGATING WHERE THE SR100 CAN'T - AS THE PIVOT ENTERS/EXITS THE CORNER. AND AROUND **OBSTACLES SUCH AS ROADS AND BUILDINGS.**



Drain required









R55 VT

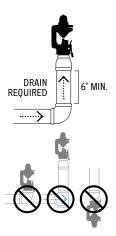
Gain up to 10 acres (4.0 ha) irrigating full circle and up to 6 acres (2.4 ha) corners only on a 1/4 mile pivot.

R55 VT PERFORMANCE (U.S. UNITS)

Pressure	#52 Purp	le Nozzle	#56 Whit	e Nozzle	#60 Red	Nozzle	#65 Orang	ge Nozzle	#70 Yello	w Nozzle	#80 Gree	n Nozzle	#90 Blue	Nozzle
(psi)	FLOW (gpm)	RADIUS (ft)												
15	18.8	40	23.5	40	28.0	40	33.0	40	36.7	40	46.0	40	52.8	41
20	21.6	43	27.0	43	32.1	43	38.0	44	42.2	44	52.9	44	60.6	45
25	24.3	45	30.3	46	36.1	46	42.6	47	47.3	48	59.3	48	68.0	48
30	26.7	46	33.4	47	39.7	47	47.0	48	52.0	49	65.2	49	74.8	50
35	29.0	47	36.2	48	43.1	49	51.0	49	56.5	50	70.8	50	81.1	51
40	31.2	48	38.9	49	46.2	50	54.8	50	60.6	51	75.8	51	87.0	52
45	33.1	48	41.3	50	49.0	51	58.3	51	64.3	52	80.5	53	92.3	54
50	34.9	48	43.4	50	51.6	51	61.4	52	67.7	53	84.7	54	97.2	54
55	36.5	48	45.4	50	54.0	51	64.3	52	70.7	53	88.4	54	101.5	55
60	37.9	48	47.1	50	56.0	51	66.9	52	73.4	53	91.7	54	105.4	56

UPRIGHT MOUNTING

OPERATING PRESSURE MUST BE 15-60 PSI (1-4 BAR)



POOR ENTRANCE CONDITIONS DIMINISH PERFORMANCE.

R55 VT PERFORMANCE (METRIC UNITS)

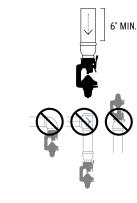
		•			• • • • • • •	-,								
Pressure	#52 Purp	le Nozzle	#56 Whit	te Nozzle	#60 Red	Nozzle	#65 Oran	ge Nozzle	#70 Yello	w Nozzle	#80 Gree	n Nozzle	#90 Blue	e Nozzle
(bar)	FLOW (m³/hr)	RADIUS (m)	FLOW (m³/hr)	RADIUS (m)	FLOW (m³/hr)	RADIUS (m)	FLOW (m³/hr)	RADIUS (m)	FLOW (m³/hr)	RADIUS (m)	FLOW (m³/hr)	RADIUS (m)	FLOW (m³/hr)	RADIUS (m)
1	4.2	12.2	5.3	12.2	6.3	12.2	7.4	12.2	8.2	12.2	10.3	12.2	11.8	12.5
1.5	5.1	13.3	6.4	13.4	7.6	13.4	9.0	13.7	10.0	13.8	12.5	13.8	14.4	14.0
2	6.0	14.0	7.5	14.3	8.9	14.3	10.5	14.6	11.6	14.9	14.6	14.9	16.7	15.1
2.5	6.7	14.4	8.4	14.7	10.0	15.0	11.8	15.0	13.1	15.3	16.4	15.3	18.8	15.6
3	7.4	14.6	9.2	15.2	11.0	15.5	13.0	15.5	14.4	15.8	18.0	16.0	20.6	16.3
3.5	8.0	14.6	9.9	15.2	11.8	15.5	14.1	15.8	15.5	16.2	19.4	16.5	22.2	16.5
4	8.5	14.6	10.5	15.2	12.5	15.5	15.0	15.8	16.4	16.2	20.5	16.5	23.6	16.9



R55i VT

INVERTED MOUNTING

OPERATING PRESSURE MUST BE 15-60 PSI (1-4 BAR)



POOR ENTRANCE CONDITIONS DIMINISH PERFORMANCE.

R55i VT PERFORMANCE (U.S. UNITS)

Pressure	#52 Purp	le Nozzle	#56 Whit	e Nozzle	#60 Red	Nozzle	#65 Oran	ge Nozzle	#70 Yello	w Nozzle	#80 Gree	n Nozzle
(psi)	FLOW (gpm)	RADIUS (ft)										
15	18.8	38	23.5	38	28.0	37	33.0	37	36.7	36	46.0	35
20	21.6	40	27.0	41	32.1	40	38.0	40	42.2	39	52.9	38
25	24.3	43	30.3	44	36.1	42	42.6	42	47.3	41	59.3	40
30	26.7	44	33.4	45	39.7	44	47.0	44	52.0	43	65.2	42
35	29.0	45	36.2	46	43.1	45	51.0	45	56.5	44	70.8	43
40	31.2	46	38.9	47	46.2	47	54.8	46	60.6	46	75.8	45
45	33.1	47	41.3	48	49.0	48	58.3	47	64.3	47	80.5	46
50	34.9	47	43.4	48	51.6	48	61.4	48	67.7	47	84.7	46
55	36.5	48	45.4	49	54.0	49	64.3	48	70.7	48	88.4	47
60	37.9	49	47.1	49	56.0	49	66.9	48	73.4	48	91.7	47

R55i VT PERFORMANCE (METRIC UNITS)

Pressure	#52 Purp	le Nozzle	#56 Whit	e Nozzle	#60 Red	Nozzle	#65 Orang	ge Nozzle	#70 Yello	w Nozzle	#80 Gree	n Nozzle
(bar)	FLOW (m³/hr)	RADIUS (m)										
1	4.2	11.6	5.3	11.6	6.3	11.3	7.4	11.3	8.2	11.0	10.3	10.7
1.5	5.1	12.5	6.4	12.8	7.6	12.4	9.0	12.4	10.0	12.1	12.5	11.8
2	6.0	13.4	7.5	13.7	8.9	13.3	10.5	13.3	11.6	13.0	14.6	12.7
2.5	6.7	13.8	8.4	14.1	10.0	13.9	11.8	13.8	13.1	13.6	16.4	13.3
3	7.4	14.2	9.2	14.5	11.0	14.5	13.0	14.2	14.4	14.2	18.0	13.9
3.5	8.0	14.4	9.9	14.7	11.8	14.7	14.1	14.6	15.5	14.4	19.4	14.1
4	8.5	14.8	10.5	14.9	12.5	14.9	15.0	14.6	16.4	14.6	20.5	14.3



ROTATOR® TECHNOLOGY RE-IMAGINED

THE R75 END OF PIVOT SPRINKLER IS A 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).

NELSON





PERFORMANCE DATA

Gain up to 13 acres (5.3 ha) irrigating full circle and up to 7 acres (2.8 ha) corners only on a 1/4 mile pivot.















		Pressure	*52 (1 3	3/32")	*56 (7	7/16")	*60 (1	5/32")	"64 (1/2")	*68 (1	7/32")	"72 (9)/16")
		(psi)	FLOW (gpm)	RADIUS (ft)	FLOW (gpm)	RADIUS (ft)	FLOW (gpm)	RADIUS (ft)	FLOW (gpm)	RADIUS (ft)	FLOW (gpm)	RADIUS (ft)	FLOW (gpm)	RADIUS (ft)
		25	23.6	49.0	27.3	51.0	31.2	53.0	35.4	55.0	39.8	55.0	44.4	56.0
R75I	В	30	26.0	52.0	29.8	53.0	34.1	54.0	38.8	57.0	43.7	57.0	48.8	58.0
H/3		35	28.0	53.0	32.4	55.0	36.9	55.0	42.0	59.0	47.2	59.0	52.6	60.0
		40	30.0	54.0	34.6	56.0	39.7	56.0	44.9	59.0	50.6	60.0	56.4	61.0
		40	30.0	57.0	34.6	59.0	39.7	61.0	44.9	65.0	50.6	65.0	56.4	64.0
		45	31.7	58.0	36.8	60.0	42.0	62.0	47.6	66.0	53.7	66.0	59.7	65.0
R	75	50	33.6	59.0	38.8	61.0	44.4	63.0	50.2	67.0	56.5	67.0	63.1	65.0
		55	35.3	59.0	40.7	62.0	46.6	64.0	52.7	68.0	59.2	68.0	66.1	66.0
		60	36.8	59.0	42.7	62.0	48.8	65.0	55.0	69.0	61.9	68.0	69.2	67.0

METRIC UNITS

		Pressure	*52 (1 3	3/32")	*56 (7	7/16")	*60 (1	5/32")	*64 (1/2")	*68 (1	7/32")	"72 (9	/16")
		(bar)	FLOW (m3/h)	RADIUS (m)	FLOW (m3/h)	RADIUS (m)	FLOW (m3/h)	RADIUS (m)	FLOW (m3/h)	RADIUS (m)	FLOW (m3/h)	RADIUS (m)	FLOW (m3/h)	RADIUS (m)
		1.75	5.4	14.9	6.3	15.5	7.1	16.2	8.1	16.8	9.2	16.8	10.2	17.1
DZEI	В	2.00	5.8	15.5	6.7	16.2	7.6	16.5	8.7	17.4	9.8	17.4	10.9	17.7
R75I		2.50	6.4	16.5	7.5	16.8	8.5	16.8	9.7	18.0	10.9	18.0	12.1	18.3
		2.75	6.8	16.5	7.8	17.1	9.0	17.1	10.2	18.0	11.5	18.3	12.7	18.6
		2.75	6.8	17.4	7.8	18.0	9.0	18.6	10.2	19.8	11.5	19.8	12.7	19.5
		3.00	7.1	17.7	8.2	18.3	9.4	18.9	10.6	20.1	12.0	20.1	13.3	19.8
R	75	3.50	7.7	18.0	8.9	18.6	10.2	19.2	11.5	20.4	13.0	20.4	14.4	19.8
		4.00	8.2	18.0	9.5	18.9	10.9	19.8	12.3	21.0	13.9	20.7	15.4	20.4

R75/R75LP performance data has been obtained under ideal test conditions and may be adversely affected by wind, poor hydraulic entrance conditions or other factors. Test riser height of 9 feet (2.7 meters) above measurement surface. No representation regarding droplet condition, uniformity, application rate, or suitability for a particular application is made herein.



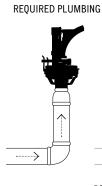
EASY TO ACCESS NOZZLE.



DUAL BARREL SPRAY PLATE FOR DISTANCE & UNIFORMITY.



ADJUSTABLE STOPS TO ACHIEVE BEST ARC OF COVERAGE.



DRAIN REQUIRED



POOR ENTRANCE CONDITIONS DIMINISH PERFORMANCE.

OLD SCHOOL IS STILL IN SESSION

THIS LOW ANGLE, PART CIRCLE PIVOT END GUN SPRINKLER HAS BEEN DESIGNED TO MEET THE DEMANDING CONDITIONS OF PIVOT END GUN OPERATION WHERE THE FLOW RATE AND DISTANCE OF THROW REQUIRED IS LESS THAN THAT OF BIG GUN® SPRINKLERS. AN OPTIONAL DIFFUSER IS AVAILABLE FOR LOW PRESSURE SYSTEMS.



P85AS (PART CIRCLE)

7/16" 13/32" 1/2" 9/16" 5/8" 21/32" Base PSI RAD. FT GPM RAD. FT GPM RAD. FT GPM RAD. FT RAD. FT GPM RAD. FT RAD. FT RAD. FT 20 15.4 48 18.2 49 21.3 51 23.7 52 27.9 53 31.4 55 35.4 56 39.7 57 44.1 58 47.9 60 52.8 61 62 56.7 18.9 55 22.4 56 26.2 58 29.5 60 34.4 62 38.9 63 43.7 49.0 65 54.2 66 59.3 68 70 69.8 71 66.4 40 21.8 61 26.0 62 30.5 64 34.5 66 39.9 68 45.0 69 50.7 71 57.0 72 62.9 73 69.0 75 77.0 76 83.7 78 73 75 79 80 50 24.6 29.1 66 34.1 68 38.9 70 44.7 71 50.5 56.8 63.4 76 70.4 78 86.0 93.8 81 77.4 27.0 67 32.1 69 37.6 71 43.0 73 49.3 75 55.7 76 62.5 78 70.0 80 77.3 81 85.4 83 94.8 85 86 76 29.0 92.8 70 69 34.8 72 40.7 74 46.7 53.2 78 604 79 67.7 81 75.8 83 83.8 84 86 102 87 111 89 80 31.0 72 37.3 74 43.7 76 50.0 78 57.0 80 64.7 82 72.5 84 81.3 85 89.9 87 99.2 89 110 90 119 92 74 76 78 52.9 60.8 82 91 92 93 90 33.2 39.4 46.2 81 68.5 84 76.8 86 86.3 88 95.3 104 116 126 35.0 76 41.5 78 48.8 90.9 110 133 97 100

Gain up to 15 acres irrigating full circle and up to 8 acres

corners only on a 1/4 mile pivot.

Data gathered from sprinkler on 12' riser - no wind





PERFORMANCE DATA (METRIC UNITS)

P85AS (PART CIRCLE)

Gain up to 6 hectares irrigating full circle and up to 3 hectares corners only on a 400 m pivot.

P85AS

	8.7	mm	9.5	mm	10.3	mm	11.1 r	nm	11.9 ı	mm	12.7	mm	13.5	mm	14.3	mm	15.1	mm	15.9	mm	16.7	mm	17.5	mm
Base bar	M³/HR	RAD (M)	M³/HR	RAD (M)	M³/HR	RAD (M)	M³/HR	RAD (M)	M³/HR	RAD (M)	M³/HR	RAD (M)	M³/HR	RAD (M)	M³/HR	RAD (M)	M³/HR	RAD (M)	M³/HR	RAD (M)	M³/HR	RAD (M)	M³/HR	RAD (M)
1.5	3.6	15.0	4.3	15.5	5.1	16.0	5.7	16.5	6.6	17.0	7.5	17.5	8.4	17.5	9.4	18.0	10.4	18.5	11.4	19.0	12.7	19.5	13.5	20.0
2	4.2	16.5	5.0	17.0	5.9	17.5	6.6	18.0	7.7	18.5	8.7	19.0	9.8	19.0	10.9	19.5	12.1	20.0	13.2	20.5	14.7	21.0	15.8	21.0
2.5	4.7	17.5	5.6	18.0	6.6	18.5	7.4	19.0	8.6	19.5	9.7	20.0	10.9	20.5	12.3	21.0	13.6	21.0	14.9	22.0	16.5	22.0	17.8	22.5
3	5.2	18.5	6.2	19.0	7.2	19.5	8.2	20.5	9.5	21.0	10.7	21.0	12.0	21.5	13.5	22.0	14.9	22.5	16.3	23.0	18.1	23.5	19.6	24.0
3.5	5.6	19.5	6.7	20.0	7.8	20.5	8.9	21.5	10.2	22.0	11.6	22.0	13.0	23.0	14.6	23.5	16.1	23.5	17.7	24.0	19.7	24.5	21.2	25.0
4	6.0	20.5	7.2	21.0	8.4	21.5	9.5	22.0	11.0	22.5	12.4	23.0	13.9	23.5	15.6	24.0	17.3	24.5	19.0	25.0	21.1	25.5	22.8	26.0
4.5	6.4	21.0	7.6	21.5	8.9	22.0	10.2	23.0	11.7	23.5	13.2	24.0	14.8	24.5	16.6	25.0	18.4	25.5	20.2	26.0	22.4	26.5	24.3	26.5
5	6.7	21.5	8.0	22.0	9.4	23.0	10.8	23.5	12.3	24.0	13.9	24.5	15.6	25.0	17.5	26.0	19.4	26.0	21.3	26.5	23.6	27.0	25.7	27.5
5.5	7.1	22.0	8.4	22.5	9.9	23.5	11.3	24.0	12.9	25.0	14.7	25.0	16.4	25.5	18.4	26.5	20.4	27.0	22.4	27.0	24.8	27.5	27.0	28.0
6	7.4	22.5	8.8	23.0	10.3	24.0	11.9	24.5	13.5	25.0	15.3	25.5	17.2	26.0	19.3	27.0	21.3	27.5	23.4	27.5	26.0	28.0	28.3	28.5
6.5	7.7	22.5	9.2	23.5	10.8	24.0	12.4	25.0	14.1	25.5	16.0	26.0	17.9	26.5	20.1	27.0	22.2	27.5	24.4	28.0	27.1	28.5	29.5	29.0
7	8.0	23.0	9.5	23.5	11.2	24.5	12.9	25.0	14.7	25.5	16.6	26.0	18.6	26.5	20.8	27.5	23.1	28.0	25.4	28.0	28.1	28.5	30.7	29.0

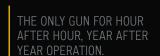
Data gathered from sprinkler on 0.3 m riser - no wind.



THE LEADER IN QUALITY, PERFO

NELSON





SR75 30 GPM-160 GPM (6.8 M³/H-36.3 M³/H)

WITH PROVEN DEPENDABILITY, PERFORMANCE, LONG WEAR LIFE AND REPAIRABILITY KNOWN FROM BIG GUN® SPRINKLERS, THE 18 DEGREE SR75 IS AN AFFORDABLE BIG GUN OPTION THAT PERFORMS WELL WITH SMALLER NOZZLES AND LOWER PRESSURE.

INAL BUN

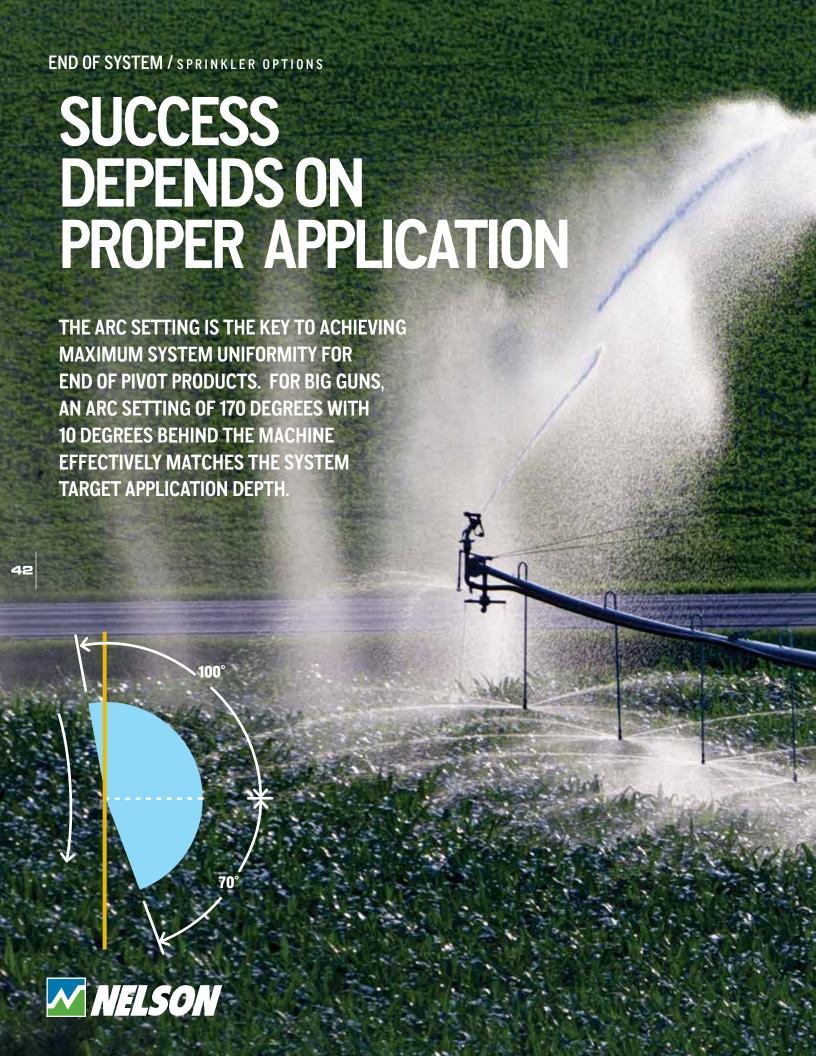
RMANCE & SUPPORT



OPTION SHOULDN'T BE OVERLOOKED.

 $\label{temperature} \textit{Tel: +1 509.525.7660 / nelsonirrigation.com} \hspace{0.2cm} \textit{/ info@nelsonirrigation.com}$

OF PUTTING THIS ADDITIONAL LAND INTO PRODUCTION, AN END GUN



BIGSUN®

PERFORMANCE DATA (US UNITS)

75 TAPER RING NOZZLE — 24° TRAJECTORY

Pressure PSI	10.2 mm		0.45 in 11.4 mm		0.5 in 12.7 mm		0.55 in 14.0 mm		0.6 in 15.2 mm		0.65 in 16.5 mm		0.7 in 17.8 mm		0.75 in 19.1 mm			8 in 3 mm
	gpm	Rad. (ft)	gpm	Rad. (ft)	gpm	Rad. (ft)	gpm	Rad. (ft)	gpm	Rad. (ft)	gpm	Rad. (ft)	gpm	Rad. (ft)	gpm	Rad. (ft)	gpm	Rad. (ft)
25	-	-	-	-	-	-	42	73	50	78	59	81	69	84	80	87	91	91
30	-	-	-	-	37	79	45	79	55	83	64	86	75	91	87	94	99	96
35	-	-	32	77	40	82	49	86	59	89	69	96	81	98	93	101	106	104
40	27	75	35	80	43	86	52	90	63	95	74	99	87	102	98	107	112	111
45	29	78	37	84	46	90	56	95	67	99	79	103	91	107	104	112	118	115
50	30	81	39	87	48	93	59	98	70	102	83	106	95	110	109	115	123	119
55	32	83	41	90	50	97	62	102	74	107	87	111	100	115	115	120	130	124
60	33	85	42	92	53	99	64	104	77	110	91	114	104	119	120	123	136	127
65	35	86	44	95	55	103	67	108	80	114	95	119	109	124	125	127	142	132
70	36	88	45	97	57	105	69	111	83	116	98	122	113	127	129	130	147	135
75	37	90	47	101	59	109	72	114	86	120	101	125	117	131	134	134	153	139
80	39	91	49	104	61	111	74	117	89	122	105	128	121	133	138	137	158	142

100 TAPER BORE NOZZLE — 24° TRAJECTORY

_		5 in	0.5	5 in	0.	6 in	0.6	5 in	0.	7 in	0.7	5 in	0.	8 in	0.8	5 in	0.9	9 in	1	in
Pressure PSI	1 1/ mm		14.0 mm		15.2 mm		16.5 mm		17.8 mm		19.1 mm		20.3 mm		21.6 mm		22.9 mm		25.4 mm	
1 31	gpm	Rad. (ft)																		
40	47	96	57	101	66	107	78	111	91	115	103	120	118	125	134	128	152	131	-	-
50	50	103	64	108	74	113	87	118	100	123	115	128	130	133	150	137	165	140	204	150
60	55	108	69	114	81	120	96	125	110	130	126	135	143	140	164	144	182	148	224	158
70	60	113	75	119	88	125	103	132	120	138	136	142	155	148	177	151	197	155	243	169
80	64	118	79	124	94	130	110	137	128	143	146	148	165	153	189	157	210	163	258	177
90	68	123	83	129	100	135	117	142	135	148	155	153	175	158	201	163	223	168	274	181
100	72	128	87	134	106	140	123	147	143	153	163	158	185	163	212	168	235	173	289	186
110	76	133	92	139	111	145	129	152	150	158	171	162	195	168	222	172	247	178	304	190

PERFORMANCE DATA (METRIC UNITS)

75 TAPER RING NOZZLE - 24° TRAJECTORY

Pressure BAR		0 in ! mm		5 in mm		0 in ' mm		5 in) mm		0 in ? mm		5 in 5 mm		0 in mm		ōin mm		0 in
DAIL	m³/hr	Rad. (m)	m³/hr	Rad. (m)	m³/hr	Rad. (m)	m³/hr	Rad. (m)	m³/hr	Rad. (m)	m³/hr	Rad. (m)	m³/hr	Rad. (m)	m³/hr	Rad. (m)	m³/hr	Rad. (m)
1.75	-	-	-	-	-	-	9.5	22.5	11.5	24.0	13.4	25.0	15.7	26.0	18.2	27.0	20.6	28.0
2.0	-	-	-	-	8.3	24.0	10.2	24.0	12.2	25.0	14.4	26.5	16.8	27.5	19.3	28.5	22.0	29.5
2.5	-	-	7.5	24.0	9.3	25.5	11.4	26.0	13.7	27.5	16.0	28.5	18.7	29.5	21.5	31.0	24.4	32.0
3.0	6.4	23.5	8.2	25.0	10.2	27.0	12.4	28.0	14.9	29.5	17.6	31.0	20.4	32.0	23.4	33.0	26.6	34.5
3.5	6.9	24.5	8.9	26.5	11.0	28.5	13.4	30.0	16.1	31.5	19.0	33.0	22.0	34.0	25.2	35.5	28.6	36.5
4.0	7.4	25.5	9.5	27.5	11.8	30.0	14.3	31.5	17.2	33.0	20.3	34.5	23.4	36.0	26.8	37.0	30.5	38.5
4.5	7.9	26.5	10.0	29.0	12.5	31.5	15.2	33.0	18.2	34.5	21.5	36.0	24.8	37.5	28.3	39.0	32.2	40.0
5.0	8.3	27.0	10.5	30.0	13.2	32.5	16.0	34.5	19.2	36.0	22.7	37.5	26.1	39.0	29.8	40.5	33.9	41.5
5.5	8.8	27.5	11.0	31.5	13.8	34.0	16.8	35.5	20.1	37.0	23.8	39.0	27.3	40.5	31.2	41.5	35.5	43.0

100 TAPER BORE NOZZLE — 24° TRAJECTORY

in
mm
Rad. (m)
-
43.5
46.0
48.0
50.0
52.0
53.5
55.0
56.0
57.0
57.5

Diameters are based on a 24° trajectory for the 75 and 100 Series. The lower trajectory angles result in better wind fighting ability, but reduced throw distances. Throw reduction depends upon nozzle flow rate. In general, the throw distance is reduced approximately 3% with each 3° drop in trajectory angle. Big Gun' performance data has been obtained under ideal test conditions and may be adversely affected by wind, poor hydraulic entrance conditions or other factors. Test riser height of 3 feet (0.91 meters) above measurement surface. No representation regarding droplet condition, uniformity, application rate, or suitability for a particular application is made herein. Additional nozzle options and sizes available.

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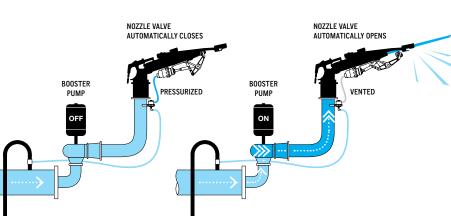






SRNV100 BIG GUN® NOZZLE VALVE

THE SRNV100 IS THE STANDARD SR100 BIG GUN® CONFIGURED WITH A SIMPLE MECHANICAL VALVE WHICH CAN BE EITHER HYDRAULICALLY OR ELECTRICALLY CONTROLLED AND LINKED TO THE PIVOT CONTROL SYSTEM. THE NOZZLE VALVE IMPROVES END GUN PERFORMANCE AND EFFICIENCY BY ELIMINATING PRESSURE LOSS, TURBULENCE, AND DEBRIS HANG-UP TYPICAL OF OTHER END GUN CONTROL VALVES.



BOOSTER PUMP OFF (EQUAL PRESSURE): DELTA P PRESSURIZES THE LINE LEADING TO THE ACTUATOR ON THE NOZZLE VALVE, MAINTAINING THE VALVE CLOSED. BOOSTER PUMP ON (PRESSURE DIFFERENTIAL GREATER THAN 15PSI): DELTA P VENTS THE ACTUATOR ON THE NOZZLE VALVE, VALVE OPEN.

PURGE VALVE

THE SRNV100 — BEST FOR PASSING TRASH

INSTALL AT THE END OF CENTER PIVOT SYSTEMS FOR AUTOMATIC FLUSHING AT START-UP AND SHUT-DOWN — OR, CONFIGURE WITH AN ELECTRIC SOLENOID INTERFACED WITH THE CENTER PIVOT FOR AUTOMATIC FLUSHING WHILE SYSTEM IS OPERATING.

NOTE: DURING SYSTEM START UP THE NOZZLE VALVE IS OPEN UNTIL THE END PRESSURE REACHES APPROXIMATELY 8 PSI. IF AT ANY TIME THE END PRESSURE DROPS BELOW 8 PSI THE VALVE WILL OPEN.

DELTA P KIT

PART #12289

THE DELTA P CAN BE PAIRED WITH THE SRNV100 TO FURTHER IMPROVE RELIABILITY BY ELIMINATING THE NEED FOR A COSTLY SOLENOID. THE DELTA P AUTOMATICALLY OPENS AND CLOSES THE NOZZLE VALVE BY SENSING PRESSURE UPSTREAM AND DOWNSTREAM OF THE BOOSTER PUMP.



FIELD-TESTED FIELD-PROVEN

EVERY NELSON PRODUCT IS PUT TO THE TEST, EVERY STEP OF THE WAY. IN THE END, IT'S WHAT HAPPENS IN THE FIELD THAT MATTERS.





CONTROL YOU CAN COUNT ON SEASON AFTER SEASON







48





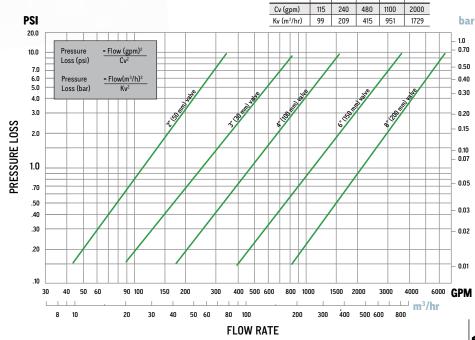




AS A HYDRAULICALLY OPERATED SLEEVE-TYPE VALVE, THE 800 SERIES CONTROL VALVE IS DESIGNED FOR VERSATILITY. THE BASIC BODY CAN BE EQUIPPED WITH SEVERAL DIFFERENT OPTIONS FOR CONTROLLING PRESSURE AND FLOW IN PIPING AT THE PIVOT POINT OR END GUN VALVE CONTROL. IT'S ALSO ENGINEERED FOR EXTREMELY HIGH EFFICIENCY, RESULTING IN LOW PRESSURE LOSS AND HIGH FLOW CAPACITY.

NATURAL RUBBER)

800 SERIES CONTROL VALVES PRESS LOSS DATA (VALVE FULLY OPEN)





ACV200 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



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NEW MATERIAL RESISTANT TO PUMP LUBRICANTS

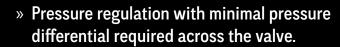




1000 SERIES CONTROL VALVES

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.



END OF PIVOT VALVES FOR SR75 & SR100

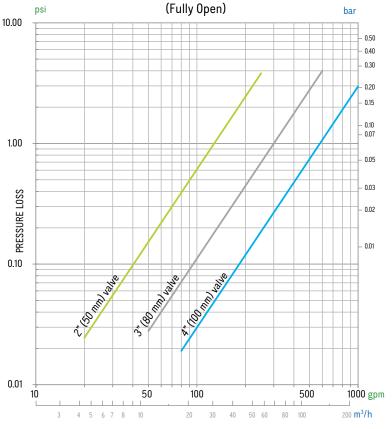
1000P

Valve installed directly below ANSI-flanged Big Gun®. Note: Order 2" metal flange separately.

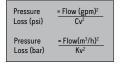


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Pressure Loss Data 1000 Series Inline Valves



	Cv (gpm @ 1 psi loss)	Kv (m³/hr @ 1 bar loss)
2" (50 mm)	130	112
3" (80 mm)	300	259
4" (100 mm)	580	501







1000P-R Pressure regulating only. No on/off control.



1000P-X Electric on/off by solenoid located at pivot tower box.



1000P-RX Pressure regulating with electric on/off by solenoid located at pivot tower box*.

PIVOT CONTROL VALVES

open and close at the command of the pivot, making pivot automation possible. The high flow capacity of the 4" valve, together with the 6x4x6 flange adapter kit, saves money by allowing the use of a smaller valve that fits easily within 6" flanges.





4" 1000 SERIES

IMAGINED, ENGINEERED & MANUFACTURED WITH INTENT

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BUY AMERICAN — CHOOSE NELSON.





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