R75 End of Pivot Sprinkler

Performance & Installation Details

R75LP

25-40 psi
(1.75-2.75 bar)

1 ¼" Thread
NPT #11936-002
BSP #11936-102

R75

40-60 psi
(2.75-4.00 bar)

1 ¼" Thread
NPT #11936-001
BSP #11936-101

7TN Nozzles

#12178-xxx

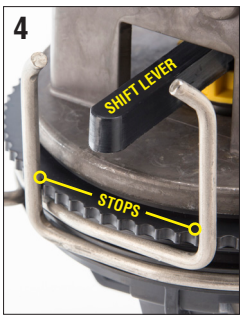
-052, #52 (13/32") Beige
-056, #56 (7/16") Red
-060, #60 (15/32") Yellow
-064, #64 (1/2") Green
-068, #68 (17/32") Blue
-072, #72 (9/16") White

IMPORTANT: NOZZLE NEEDS TO BE INSTALLED BEFORE OPERATION!

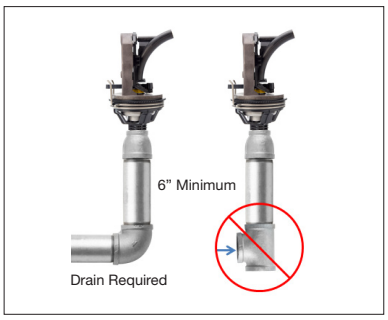
Squeeze tabs on the side of the plate assembly and pull.

Thread-in the 7TN nozzle.

Replace plate assembly. Guide shift lever between stops as shown in Fig. 4.



Make sure shift lever is between stops as shown. **ADJUST STOPS TO GIVE DESIRED ARC OF COVERAGE (PAGE 2).**



REQUIRED PLUMBING. Poor entrance conditions diminish performance.

PERFORMANCE (U.S. UNITS)

Pressure (psi)		#52 (13/32")		#56 (7/16")		#60 (15/32")		#64 (1/2")		#68 (17/32")		#72 (9/16")	
		Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)
R75 LP	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
	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
	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
R75	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
	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

PERFORMANCE (METRIC UNITS)

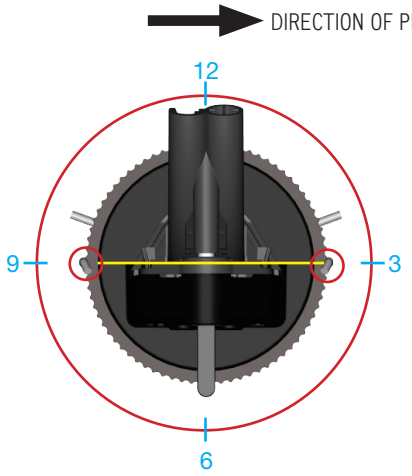
Pressure (bar)		#52 (13/32")		#56 (7/16")		#60 (15/32")		#64 (1/2")		#68 (17/32")		#72 (9/16")	
		Flow (m^3/h)	Radius (m)	Flow (m^3/h)	Radius (m)	Flow (m^3/h)	Radius (m)	Flow (m^3/h)	Radius (m)	Flow (m^3/h)	Radius (m)	Flow (m^3/h)	Radius (m)
R75 LP	1.75	5.4	14.9	6.3	15.5	7.1	16.2	8.1	16.8	9.2	16.8	10.2	17.1
	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
	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
R75	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
	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.

WARRANTY AND DISCLAIMER: Nelson Irrigation's End of Pivot Sprinklers are warranted for one year from date of original sale to be free of defective materials and workmanship when used within the working specifications for which the products were designed and under normal use and service. The manufacturer assumes no responsibility for installation, removal or unauthorized repair of defective parts. The manufacturer's liability under this warranty is limited solely to replacement or repair of defective parts and the manufacturer will not be liable for any crop or other consequential damages resulting from defects or breach of warranty. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSES AND OF ALL OTHER OBLIGATIONS OR LIABILITIES OF MANUFACTURER. No agent, employee or representative of the manufacturer has authority to waive, alter or add to the provisions of this warranty, nor to make any representations or warranty not contained herein. This sprinkler may be covered by one or more of the following U.S. Patent Numbers **6,814,305** and **6,827,291** and other U.S. Patents pending or corresponding issued or pending foreign patents.

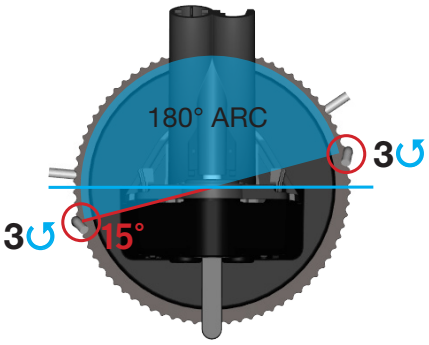
R75 Arc Settings for Pivot Applications

Single R75, Dual R75, and R75 + SR100 applications require different arc settings. Start with a 180 degree arc setting straight out and adjust offset based on the recommendations below. Each groove represents ~5 degrees, so 3 clicks forward or backward equals 15 degrees.



REFERENCE IMAGE
This is a 180 degree arc setting without any offset built in yet. The left stop is at 9 o'clock and the right stop is at 3 o'clock.

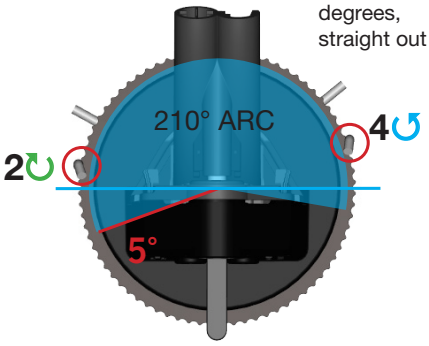
SINGLE R75



1. Left stop 3 clicks
2. Right stop 3 clicks

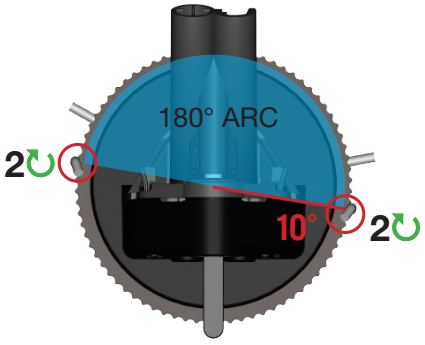
R75 + SR100

Set SR100 at 90 degrees, straight out



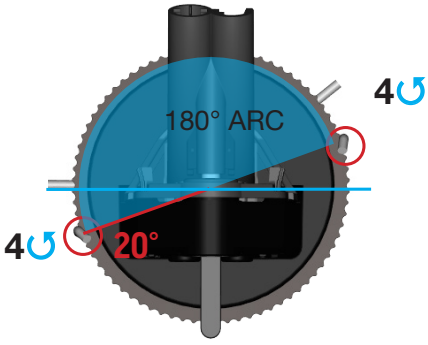
1. Right stop 4 clicks
2. Left stop 2 clicks

DUAL LEADING R75



1. Left stop 2 clicks
2. Right stop 2 clicks

DUAL TRAILING R75



1. Left stop 4 clicks
2. Right stop 4 clicks

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