

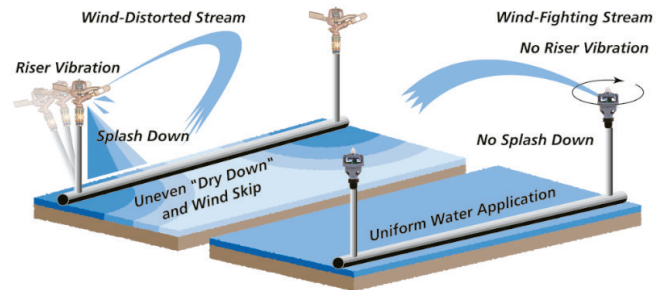
## FEATURES

- High uniformity
- Proven reliability
- Long throw distance
- Low cost, less maintenance
- Low application rate
- No riser vibration
- No splash down

## OVERVIEW

### Maximize Radius and Uniformity

The R2000WF Rotator® consistently delivers higher uniformity than impact sprinklers. It forms a tight wind-penetrating stream that is systematically broken up by a diffuser, filling in the water pattern. Its sweeping action gently distributes water droplets to the ground preventing soil compaction.



The drive arm of an impact sprinkler directs a harsh "splash down" that seals the soil and causes crop damage directly around the sprinkler, while barren "wind skip" areas develop where the distorted stream doesn't reach the crop.

FULLY ASSEMBLED SPRINKLER LESS ADAPTER

| PLATE | NOZZLE | COMPLETE R2000WF CAP & BODY ASSY | WF MOTOR COLOR | COMPLETE R2000LP CAP & BODY ASSY | LP MOTOR COLOR |
|-------|--------|----------------------------------|----------------|----------------------------------|----------------|
| 10    | 10     | 9928-1010                        | Purple         | 9929-1010                        | Green          |
| 12    | 11     | 9928-1211                        | Ivory          | 9929-1211                        | Green          |
| 12    | 12     | 9928-1212                        | Ivory          | 9929-1212                        | Green          |
| 14    | 13     | 9928-1413                        | Ivory          | 9929-1413                        | Purple         |
| 14    | 14     | 9928-1414                        | Ivory          | 9929-1414                        | Purple         |
| 16    | 15     | 9928-1615                        | Ivory          | 9929-1615                        | Purple         |
| 16    | 16     | 9928-1616                        | Ivory          | 9929-1616                        | Purple         |
| 18    | 18     | 9928-1818                        | Ivory          | 9929-1818                        | Purple         |
| 20    | 20     | 9928-2020                        | Gold           | 9929-2020                        | Purple         |

The R2000WF / LP have been designed to be easily repaired. Use these pages to determine the recommended plate, nozzle, motor and diffuser combinations when making repairs, or changing nozzle size.



The R2000WF Rotator can be converted into a part-circle sprinkler.



Cap  
#9156-001

Diffuser  
Green #11142  
Purple #9898  
Red #10716

Washer #9482

Motor  
(Purple, ivory,  
Gold or Green)

Plate

Bearing #9895

Body  
#9155-001

Body w/  
Bearing #9920

2TN Nozzle

Adapter with  
O-ring  
#9316-002

O-ring  
#9307

## PLATE/NOZZLE OPTIONS AND FLOW PERFORMANCE IN GPM

| Plate Options                                                                                                        | Nozzle                                                                                                                                          | Model & Radius (ft) | PSI  |      |      |      |      |      |      |      |      |  |
|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------|------|------|------|------|------|------|------|------|--|
|                                                                                                                      |                                                                                                                                                 |                     | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60   | 65   |  |
| <b>BLUE</b><br>WF10<br>#12113<br>   |  Dk. Blue #10 #9306-078 Nozzle/Body Assy. (5/64") #9920-010    | R2000LP Rad. 30-32' | .88  | .97  | 1.05 | 1.12 | 1.19 | 1.25 | -    | -    | -    |  |
|                                                                                                                      |                                                                                                                                                 | R2000WF R. 33-35'   | -    | -    | -    | 1.12 | 1.19 | 1.25 | 1.31 | 1.37 | 1.44 |  |
| <b>PURPLE</b><br>WF12<br>#10452<br> |  Orange #11 #9306-086 Nozzle/Body Assy. (11/128") #9920-011    | R2000LP R. 32-34'   | 1.07 | 1.17 | 1.27 | 1.36 | 1.45 | 1.53 | -    | -    | -    |  |
|                                                                                                                      |                                                                                                                                                 | R2000WF R. 35-37'   | -    | -    | -    | 1.36 | 1.45 | 1.53 | 1.61 | 1.68 | 1.76 |  |
|                                                                                                                      |  Purple #12 #9306-094 Nozzle/Body Assy. (3/32") #9920-012      | R2000LP R. 33-35'   | 1.27 | 1.39 | 1.50 | 1.61 | 1.70 | 1.80 | -    | -    | -    |  |
|                                                                                                                      |                                                                                                                                                 | R2000WF R. 37-38'   | -    | -    | -    | 1.61 | 1.70 | 1.80 | 1.89 | 1.98 | 2.06 |  |
| <b>GREEN</b><br>WF14<br>#9877<br> |  Yellow #13 #9306-102 Nozzle/Body Assy. (13/128") #9920-013  | R2000LP R. 33-36'   | 1.50 | 1.64 | 1.78 | 1.90 | 2.02 | 2.13 | -    | -    | -    |  |
|                                                                                                                      |                                                                                                                                                 | R2000WF R. 37-38'   | -    | -    | -    | 1.90 | 2.02 | 2.13 | 2.23 | 2.34 | 2.45 |  |
|                                                                                                                      |  Green #14 #9306-109 Nozzle/Body Assy. (7/64") #9920-014     | R2000LP R. 34-37'   | 1.70 | 1.85 | 2.00 | 2.15 | 2.28 | 2.40 | -    | -    | -    |  |
|                                                                                                                      |                                                                                                                                                 | R2000WF R. 38-40'   | -    | -    | -    | 2.15 | 2.28 | 2.40 | 2.53 | 2.64 | 2.75 |  |
| <b>RED</b><br>WF16<br>#9931<br>   |  Tan #15 #9306-117 Nozzle/Body Assy. (15/128") #9920-015     | R2000LP R. 34-37'   | 1.98 | 2.17 | 2.35 | 2.53 | 2.67 | 2.82 | -    | -    | -    |  |
|                                                                                                                      |                                                                                                                                                 | R2000WF R. 39-41'   | -    | -    | -    | 2.53 | 2.67 | 2.82 | 2.97 | 3.11 | 3.24 |  |
|                                                                                                                      |  Dark Red #16 #9306-125 Nozzle/Body Assy. (1/8") #9920-016   | R2000LP R. 36-38'   | 2.28 | 2.50 | 2.70 | 2.89 | 3.07 | 3.23 | -    | -    | -    |  |
|                                                                                                                      |                                                                                                                                                 | R2000WF R. 39-41'   | -    | -    | -    | 2.89 | 3.07 | 3.23 | 3.40 | 3.54 | 3.68 |  |
| <b>GOLD</b><br>WF18<br>#9870<br>  |  Gold #18 #9306-141 Nozzle/Body Assy. (9/64") #9920-018      | R2000LP R. 38-39'   | 2.92 | 3.20 | 3.44 | 3.68 | 3.89 | 4.11 | -    | -    | -    |  |
|                                                                                                                      |                                                                                                                                                 | R2000WF R. 41-42'   | -    | -    | -    | 3.68 | 3.89 | 4.11 | 4.30 | 4.48 | 4.66 |  |
| <b>BRN.</b><br>WF20<br>#9878<br>  |  Dk. Brown #20 #9306-156 Nozzle/Body Assy. (5/32") #9920-020 | R2000LP R. 40-42'   | 3.56 | 3.90 | 4.18 | 4.48 | 4.76 | 5.00 | -    | -    | -    |  |
|                                                                                                                      |                                                                                                                                                 | R2000WF R. 42-45'   | -    | -    | -    | 4.48 | 4.76 | 5.00 | 5.25 | 5.47 | 5.69 |  |

\*All plate options are high angle. The performance data in this section has been recorded under ideal test conditions and may be adversely affected by poor hydraulic entrance conditions, slope, riser tilt, temperature, wind or other factors. Always be sure to use the nozzle size that is recommended for the plate. Always operate within the recommended pressure range. Only the nozzle and plate combinations grouped together in the above charts are recommended.



**Mini Regulator (MR)** — For systems in which pressure ranges are excessive, the Nelson Mini Regulator provides uniform flow and distribution at each R2000WF through pressure regulation. Choose from 40, 45, or 50 PSI (2.8, 3.1 or 3.4 BAR) nominal pressures.



**Mini Regulator Drain Check (MRDC)** — To eliminate sprinkler drizzle during shut down and start up and for pressure regulation use the Nelson Mini Regulator Drain Check. It is available in the same nominal pressures as the Mini Regulator.



**Mini Drain Check (MDC)** — The MDC is a check valve only that opens 2-5 PSI (.14-.35 BAR) below the nominal pressure rating. Available in 20 and 35 PSI (1.4-2.4 BAR) options. Ideal when a check feature only is needed or when it is necessary to operate the R2000WF at different pressures that best suit environmental conditions.