



A MICRO-SPRINKLER LIKE NO OTHER

INTRODUCING THE NEW S7 SPINNER



15-50 PSI (1.0-3.4 BAR)
8.5-75 GPH (32-285 LPH)
9-16' (2.7-4.9 M) RAD.

FLOW CONTROL
OPTIONS & UNIQUE
QUICK-CONNECT
QUICK-CLEAN
FEATURES



NELSON IRRIGATION'S INNOVATIONS ARE TARGETED TO COMBAT RISING ENERGY AND LABOR COSTS.

- Nelson's Quick Clean (QC) technology reduces irrigator hours — simply turn, flush and reconnect.
- Flow control nozzles are flow regulating at 15 PSI.
- Insect protection helps prevent plugging or stalling.
- Modular design allows quick and easy nozzle exchange.
- Optional tree starter (break off) deflector tabs offer flexibility.
- Optional PVC Stakes prevent tubing damage from coyotes and other animals.

THE S7 — A MICRO-SPRINKLER WITH A NEW LEVEL OF QUALITY, RELIABILITY AND DURABILITY

S7



STANDARD **12890-XXXX** NOZZLE*
 FLOW CONTROL **12891-XXXX**

| BLUE PLATE | PURPLE PLATE |
|-----------------------------------|-----------------------------------|
| Without Deflector Tab = 21 | Without Deflector Tab = 23 |
| With Deflector Tab = 22 | With Deflector Tab = 24 |

One-Sided Stream Splitter 13149



Two-Sided Stream Splitter 13150



S7 Top (Blue) 12727-002



Green Top special order. Call Factory for details.



S7 Body 12924

Blue Plate w/o Deflector Tab 12716-001 (Purple Plate w/o tab = 13184-001)



Blue Plate with Deflector Tab 12716-002 (Purple Plate with tab = 13184-002)

Flow Control Nozzle 12720-0xx



Standard ITN Nozzle 12721-0xx

* (xx = 8.5 (09), 11, 14, 18, & 24 GPH)

* (xx = 35, 40, 45, 50, 55, 60, 65, 70, 78)



QC x 1/2 MNPT 13064-001



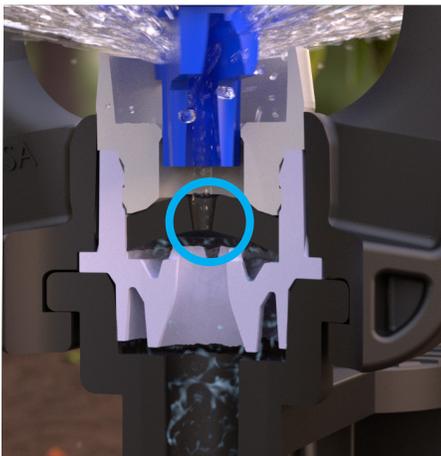
QC x 3/8 MNPT 13064-002



QC x Acme with Screen (Connects to 1/2 PVC-4, 1/2 PVC-5, FT2, FT3) 12972

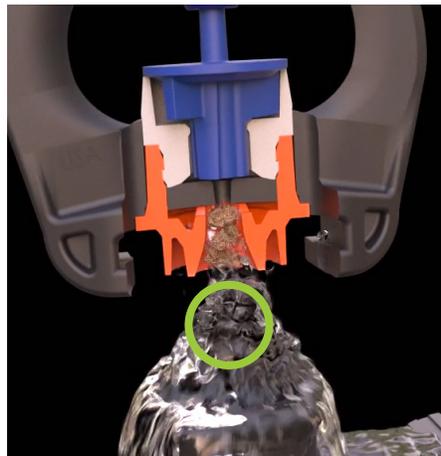


Adapter for SuperNet Stake, QC x .256" OD Tube 12882-001



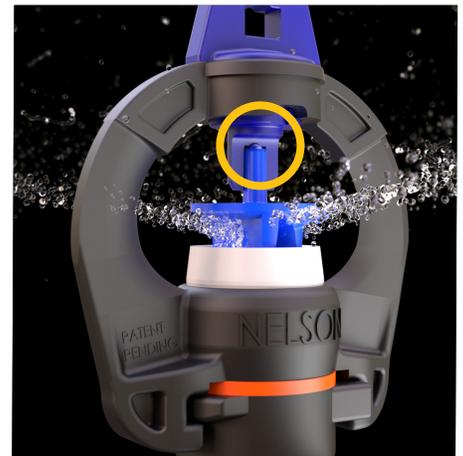
FLOW REGULATION AT LOWER PRESSURE

7FC flow control nozzles are flow regulating from 15-50 PSI.



QUICK-CLEAN TECHNOLOGY

Simply turn, flush and reconnect sprinkler — save time and money by reducing labor.



SUPERIOR WEAR LIFE

Designed with heavy-duty, stainless steel ball at the top of the spin plate, ensuring durability and longevity.

1/2" PVC-4 QC
1/2" PVC-5 QC

12990-002
QC to 4mm
Tubing
for PVC-4

12990-001
QC to 5mm
Tubing
for PVC-5

9960-9xx Tubing
Assembly, Flexible,
4mm x 30" (-930),
48" (-948), with LTO

11283-0xx Tubing
Assembly, Flexible,
5mm x 30" (-030),
48" (-048), with LTO

10080 - 4MM LTO
12023 - 5MM LTO

1/2" PVC-4 QC STAKE & TUBE ASSEMBLIES

| DESCRIPTION | 1/2" PVC-4 QC, 16" Stake x 4mm x 30" Tubing | 1/2" PVC4 QC, 22" Stake x 4mm x 30" Tubing | 1/2" PVC-4 QC, 16" Stake x 4mm x 48" Tubing |
|-------------|---|--|---|
| PART NO. | 13090-21630 | 13090-22230 | 13090-21648 |

1/2" PVC-5 QC STAKE & TUBE ASSEMBLIES

| DESCRIPTION | 1/2" PVC-5 QC, 16" Stake x 5mm x 30" Tubing | 1/2" PVC-5 QC, 22" Stake x 5mm x 30" Tubing | 1/2" PVC-5 QC, 22" Stake x 5mm x 48" Tubing |
|-------------|---|---|---|
| PART NO. | 13089-21630 | 13089-22230 | 13089-22248 |

16" QC4
QC5

(Call factory
for pricing)

12981-002
QC4 Stake
12981-001
QC5 Stake

9960-9xx Tubing
Assembly, Flexible,
4mm x 30" (-930),
48" (-948), with LTO

11283-0xx Tubing
Assembly, Flexible,
5mm x 30" (-030),
48" (-048), with LTO

10080 - 4MM LTO
12023 - 5MM LTO

QC4 & QC5 STAKE & TUBE ASSEMBLIES

| DESCRIPTION | PART NO. |
|---|-----------|
| QC4 Stake & Tube Assy, 16" Stake x 30" 4mm tubing | 12983-030 |
| QC4 Stake & Tube Assy, 16" Stake x 48" 4mm tubing | 12983-048 |
| QC5 Stake & Tube Assy, 16" Stake x 30" 5mm tubing | 12982-030 |
| QC5 Stake & Tube Assy, 16" Stake x 48" 5mm tubing | 12982-048 |

QC4 & QC5 STAKE & TUBE ASSEMBLY PARTS

| DESCRIPTION | PART NO. |
|-------------------------------------|-----------|
| QC4 Stake for 4mm tubing | 12981-002 |
| QC5 Stake for 5mm tubing | 12981-001 |
| 4mm tubing with LTO, 30, or 48 inch | 9960-9xx |
| 5mm tubing with LTO, 30 or 48 inch | 11283-0xx |

USE STEEL STAKE INSTALL TOOL 13429 TO PRE-DRILL HOLES FOR THE QC4 AND QC5 STAKES. THIS ENSURES THAT THE STAKES WILL BE INSTALLED WITHOUT ANY BENDING AND IN AN UPRIGHT POSITION.



HQC-4

Zip Tie not
included
in HQC-4 Assy

9960-9xx Tubing
Assembly, Flexible,
4mm x 12" (-912),
24" (-924), with LTO

12990-002
QC to 4mm
Tubing
for HQC-4

HANGING QUICK CONNECT-4 TUBING ASSEMBLY

| DESCRIPTION | HQC-4, 4mm x 12" tubing | HQC-4, 4mm x 24" tubing |
|-------------|-------------------------------|-------------------------------|
| PART NO. | 13092-012 | 13092-024 |

TOOLS & PARTS FOR S7 STAKE & TUBE ASSEMBLIES

| DESCRIPTION | PART NO. |
|---------------------------------------|-----------|
| QC to 4mm Tubing for PVC-4 QC & HQC-4 | 12990-002 |
| QC to 5mm Tubing for PVC-5 QC | 12990-001 |
| LTO, 4mm | 10080 |
| LTO, 5mm | 12023 |
| LTO, 4mm x 5mm | 13142 |
| 4mm tubing 1000' Coil | 10081-002 |
| 5mm tubing, 1000' Coil | 9284 |
| Goof Plug, Dual | 9986 |
| Hand Punch Tool, 4mm, Green | 10997 |
| Hand Punch Tool, 5mm, Red | 9349 |



S7 SPINNER W/ BLUE PLATE / FLOW & RADIUS (U.S. & Metric Units)

| *NOZZLE | PRESSURE IN PSI | | | | | | | | | | | | | | PRESSURE IN BAR | | | | | | | | | | | | | | |
|------------------------|-----------------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|-----------------|--------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|
| | 15 | | 20 | | 25 | | 30 | | 35 | | 40 | | 45 | | 50 | | 1.0 | | 1.5 | | 2.0 | | 2.5 | | 3.0 | | 3.5 | | |
| | GPH | R (FT) | GPH | R (FT) | GPH | R (FT) | GPH | R (FT) | GPH | R (FT) | GPH | R (FT) | GPH | R (FT) | GPH | R (FT) | LPH | R (M) | LPH |
| *35 Orange | 7.5 | 10 | 8.7 | 11 | 9.8 | 12 | 10.8 | 12 | 11.7 | 13 | 12.5 | 13 | 13.3 | 13 | 14.0 | 12 | 28 | 3.0 | 35 | 3.4 | 40 | 3.7 | 45 | 3.8 | 49 | 3.8 | 54 | 3.7 | |
| *40 Blue | 9.4 | 11 | 10.9 | 12 | 12.2 | 13 | 13.4 | 14 | 14.5 | 14 | 15.6 | 14 | 16.6 | 14 | 17.5 | 13 | 35 | 3.2 | 43 | 3.8 | 50 | 4.2 | 56 | 4.3 | 62 | 4.2 | 67 | 3.9 | |
| *45 Purple | 12.0 | 12 | 13.9 | 13 | 15.6 | 14 | 17.2 | 14 | 18.6 | 14 | 19.9 | 14 | 21.2 | 15 | 22.4 | 14 | 45 | 3.5 | 55 | 4.0 | 64 | 4.3 | 72 | 4.5 | 79 | 4.4 | 85 | 4.2 | |
| *50 Green | 14.6 | 12 | 16.9 | 14 | 18.9 | 15 | 20.8 | 15 | 22.5 | 15 | 24.1 | 15 | 25.6 | 15 | 27.0 | 14 | 54 | 3.8 | 67 | 4.3 | 77 | 4.4 | 87 | 4.7 | 95 | 4.6 | 103 | 4.3 | |
| *55 Yellow | 17.6 | 13 | 20.4 | 14 | 22.8 | 15 | 25.1 | 15 | 27.2 | 15 | 29.1 | 15 | 30.9 | 16 | 32.6 | 15 | 65 | 3.9 | 80 | 4.3 | 93 | 4.5 | 105 | 4.7 | 115 | 4.7 | 124 | 4.7 | |
| *60 Light Red | 21.2 | 13 | 24.5 | 14 | 27.5 | 15 | 30.2 | 16 | 32.7 | 16 | 35.1 | 16 | 37.3 | 16 | 39.3 | 16 | 79 | 3.9 | 97 | 4.3 | 113 | 4.6 | 126 | 4.8 | 139 | 4.9 | 150 | 4.8 | |
| *65 Gray | 27.4 | 13 | 31.8 | 14 | 35.7 | 15 | 39.2 | 16 | 42.4 | 16 | 45.5 | 16 | 48.3 | 16 | 51.0 | 16 | 102 | 3.9 | 126 | 4.4 | 146 | 4.7 | 164 | 5.0 | 180 | 5.0 | 195 | 5.0 | |
| *70 White | 31.9 | 13 | 37.0 | 15 | 41.4 | 15 | 45.5 | 16 | 49.2 | 16 | 52.7 | 16 | 56.0 | 16 | 59.1 | 16 | 119 | 3.9 | 146 | 4.5 | 169 | 4.8 | 190 | 5.0 | 208 | 4.9 | 226 | 4.7 | |
| *78 Dark Blue | 40.5 | 13 | 47.0 | 15 | 52.7 | 15 | 57.8 | 16 | 62.6 | 16 | 67.1 | 16 | 71.2 | 16 | 75.2 | 15 | 151 | 4.0 | 186 | 4.6 | 215 | 4.9 | 241 | 5.0 | 265 | 4.9 | 287 | 4.5 | |
| 8.5 Orange 7FC* | * | 11 | * | 11 | * | 11 | * | 10 | * | 10 | * | 9 | * | 9 | * | 9 | * | 3.3 | * | 3.1 | * | 3.0 | * | 2.9 | * | 2.9 | * | 3.0 | |
| 11 Blue 7FC* | * | 11 | * | 12 | * | 12 | * | 12 | * | 12 | * | 12 | * | 12 | * | 11 | * | 3.4 | * | 3.5 | * | 3.6 | * | 3.6 | * | 3.5 | * | 3.3 | |
| 14 Purple 7FC* | * | 12 | * | 14 | * | 14 | * | 14 | * | 14 | * | 13 | * | 13 | * | 12 | * | 3.8 | * | 4.1 | * | 4.2 | * | 4.2 | * | 3.9 | * | 3.6 | |
| 18 Yellow 7FC* | * | 13 | * | 14 | * | 15 | * | 15 | * | 15 | * | 14 | * | 14 | * | 13 | * | 3.9 | * | 4.3 | * | 4.5 | * | 4.4 | * | 4.2 | * | 3.7 | |
| 24 Red 7FC* | * | 13 | * | 14 | * | 15 | * | 15 | * | 15 | * | 15 | * | 15 | * | 14 | * | 4.0 | * | 4.3 | * | 4.5 | * | 4.5 | * | 4.4 | * | 4.0 | |

*Call Factory for specific flow rate information.

S7 SPINNER W/ PURPLE PLATE / FLOW & RADIUS (U.S. & Metric Units)

| *NOZZLE | PRESSURE IN PSI | | | | | | | | | | PRESSURE IN BAR | | | | | | | |
|------------------------|-----------------|--------|-----|--------|-----|--------|------|--------|------|--------|-----------------|-------|-----|-------|-----|-------|-----|-------|
| | 15 | | 20 | | 25 | | 30 | | 35 | | 1.0 | | 1.5 | | 2.0 | | 2.5 | |
| | GPH | R (FT) | GPH | R (FT) | GPH | R (FT) | GPH | R (FT) | GPH | R (FT) | LPH | R (M) | LPH | R (M) | LPH | R (M) | LPH | R (M) |
| *30 Black | 5.2 | 9 | 6.1 | 9 | 6.8 | 9 | 7.5 | 9 | 8.1 | 10 | 19 | 2.7 | 24 | 2.7 | 28 | 2.7 | 31 | 3 |
| *35 Orange | 7.5 | 10 | 8.7 | 10 | 9.8 | 11 | 10.8 | 11 | 11.7 | 11 | 28 | 3 | 35 | 3.4 | 40 | 3.4 | 45 | 3.4 |
| 8.5 Orange 7FC* | * | 10 | * | 10 | * | 10 | * | 9 | * | 9 | * | 3 | * | 3 | * | 3 | * | 2.7 |

*Call Factory for specific flow rate information.

7FC NOZZLE NOMINAL FLOW RATES

| | | |
|------------------------|---------|--------|
| 8.5 Orange 7FC* | 8.5 GPH | 32 LPH |
| 11 Blue 7FC* | 11 GPH | 41 LPH |
| 14 Purple 7FC* | 14 GPH | 53 LPH |
| 18 Yellow 7FC* | 18 GPH | 68 LPH |
| 24 Red 7FC* | 24 GPH | 91 LPH |



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