

# Unirain P57 (Temporaly P46)

## Part Circle Impact Sprinkler Low and Medium Flow Plastic



### Application

Especially indicated for agricultural application in general, for areas bordering or close to elements that should not get wet.

Compact in design, it includes a sand-proof bearing system and reinforcing ribs on the sprinkler body. High resistance and durability, made of plastics and treated against the UV radiation. It is a very versatile sprinkler because of its reversing system and clip which allow the sprinkler switch from part to full circle and vice versa. Ideal for areas bordering or near elements that should not get wet.

Model **P57PRO**: Valid for anti-frost irrigation. Absence of counterweights in the arm and **protection of the most sensitive areas** of the sprinkler, making it more robust and durable.

### Advantages

- Maximum protection of the spring against impacts , dirt, foreign bodies, insects and animals, frost ...
- Increased frequency / speed of arm swing, improving irrigation uniformity.
- Sand-proof bearing system and reinforcing ribs on its body.
- Perfect inner finish
- Its exclusive reversing system is protected against sand and can be disassembled in seconds without any tools.
- We can use three types of water guide sheath to achieve the desired balance between range and spray, depending on available water pressure.

### Technical specifications

- Dual-use impact sprinkler: part circle ranging (removing the cogged sectors pieces).
- 3/4" Male or female (F)base thread.
- Sprinkler arm **without counterweights** (Tread 3PRN or vane 3Q, in different sizes).
- 23° nozzle trajectory angle.
- Pressure range: 2,1 - 4,9 Bar.
- Nozzle range: 1/8" -3/16".
- Made of acetal resin with UV-protection treatment.
- Body and spring protective cap made of HDPE.
- Fulcrum pin and springs made of stainless steel.
- Expanded fulcrum,pin upper end diameter for a better fitting into the sprinkler body.
- Color-coded anti abrasive acetal resin nozzles carved in millimetres and inches for a clear identification.
- Reversing system protected.
- Female thread adapter made of fiber glass reinforced PA.
- Model P57PRO: with cap made of HDPE body and spring protector.



|          | Pressure (bar) | Nozzles     | Vanes        |
|----------|----------------|-------------|--------------|
| HIGH     | 4.14           | 3PRN 6 3FCN | 30 V         |
| MEDIUM   | 2.76           | 3PRN 6 3FCN | WITHOUT VANE |
| LOW      | 2.10           | 3PRN        | 30RV         |
| VERY LOW | 1.38           | 3PRN        | 30BV         |

To configure the sprinkler you must follow the **3 steps** indicated in the chart SET UP SPRINKLER

SET UP SPRINKLER

1° Select a **MODEL**

2° Select a **VARIANT**

☐ P57

☐ Male thread

☐ P57PRO

☐ Female thread (F)

3° Select **NOZZLE CONFIGURATION** (DATA CHART)

| P57                                   | PRESSURE (MCA) | NOZZLE 1/8" |      | NOZZLE 9/64" |      | NOZZLE 5/32" |      | NOZZLE 11/64" |      | NOZZLE 3/16" |      |
|---------------------------------------|----------------|-------------|------|--------------|------|--------------|------|---------------|------|--------------|------|
|                                       |                | L/H         | R(m) | L/H          | R(m) | L/H (*)      | R(m) | L/H           | R(m) | L/H          | R(m) |
| NOZZLE WHITOUT VANE FOR LONG DISTANCE | 14.1           |             |      | 585          | 11.9 | 714          | 12.6 | 855           | 13.1 | 1013         | 13.5 |
|                                       | 17.6           |             |      | 654          | 12.3 | 799          | 13.0 | 963           | 13.4 | 1136         | 13.9 |
|                                       | 21.1           |             |      | 715          | 13.0 | 874          | 13.6 | 1054          | 14.0 | 1249         | 14.5 |
|                                       | 24.6           | 609         | 12.6 | 772          | 13.3 | 945          | 14.0 | 1140          | 14.5 | 1354         | 14.9 |
|                                       | 28.1           | 652         | 12.8 | 827          | 13.6 | 1011         | 14.3 | 1220          | 14.8 | 1449         | 15.2 |
|                                       | 31.6           | 693         | 13.0 | 877          | 13.7 | 1072         | 14.5 | 1295          | 15.1 | 1540         | 15.5 |
|                                       | 35.2           | 731         | 13.1 | 924          | 13.9 | 1131         | 14.6 | 1365          | 15.2 | 1626         | 15.8 |
|                                       | 38.7           | 768         | 13.3 | 970          | 14.0 | 1186         | 14.8 | 1431          | 15.4 | 1708         | 16.0 |
|                                       | 42.2           | 802         | 13.4 | 1013         | 14.2 | 1238         | 14.9 | 1492          | 15.5 | 1783         | 16.2 |
|                                       | 45.7           | 836         | 13.6 | 1056         | 14.3 | 1290         | 15.1 | 1551          | 15.7 | 1858         | 16.3 |
|                                       | 49.2           | 868         | 13.7 | 1097         | 14.5 | 1340         | 15.2 | 1610          | 15.8 | 1931         | 16.5 |
|                                       | 52.7           | 899         | 13.9 | 1136         | 14.6 | 1388         | 15.4 | 1667          | 16.0 | 1999         | 16.6 |
|                                       | 56.2           | 929         | 14.0 | 1174         | 14.8 | 1431         | 15.5 | 1722          | 16.2 | 2065         | 16.8 |

| P57V                               | PRESSURE (MCA) | NOZZLE 1/8" |      | NOZZLE 9/64" |      | NOZZLE 5/32" |      | NOZZLE 11/64" |      | NOZZLE 3/16" |      |
|------------------------------------|----------------|-------------|------|--------------|------|--------------|------|---------------|------|--------------|------|
|                                    |                | L/H         | R(m) | L/H          | R(m) | L/H (*)      | R(m) | L/H           | R(m) | L/H          | R(m) |
| NOZZLE WHIT VANE FOR LONG DISTANCE | 24.6           | 609         | 13.4 | 772          | 14.1 | 945          | 15.0 | 1140          | 15.5 | 1354         | 15.9 |
|                                    | 28.1           | 652         | 13.6 | 827          | 14.3 | 1011         | 15.2 | 1220          | 15.7 | 1449         | 16.2 |
|                                    | 31.6           | 693         | 13.7 | 877          | 14.5 | 1072         | 15.4 | 1295          | 16.0 | 1540         | 16.5 |
|                                    | 35.2           | 731         | 13.9 | 924          | 14.6 | 1131         | 15.5 | 1365          | 16.2 | 1626         | 16.8 |
|                                    | 38.7           | 768         | 14.0 | 970          | 14.8 | 1186         | 15.7 | 1431          | 16.3 | 1708         | 16.9 |
|                                    | 42.2           | 802         | 14.2 | 1013         | 14.9 | 1238         | 15.8 | 1492          | 16.5 | 1783         | 17.1 |
|                                    | 45.7           | 836         | 14.3 | 1056         | 15.1 | 1290         | 16.0 | 1551          | 16.6 | 1858         | 17.2 |
|                                    | 49.2           | 868         | 14.5 | 1097         | 15.2 | 1340         | 16.2 | 1610          | 16.8 | 1931         | 17.4 |
|                                    | 52.7           | 899         | 14.6 | 1136         | 15.4 | 1388         | 16.3 | 1667          | 16.9 | 1999         | 17.5 |
|                                    | 56.2           | 929         | 14.8 | 1174         | 15.5 | 1431         | 16.5 | 1722          | 17.1 | 2065         | 17.7 |

Data obtained under ideal test conditions. It can be affected by wind, bad hydraulic conditions or other adverse factors.  
Highest point of the jet above the nozzle: 2.5 m (using standard nozzle 5/32 " and a pressure of 3.45 Bar)  
Throw radius jets achieved with the 0.9m lift. Shaded areas not recommended.  
(\*) Standard Nozzle.

L/H: Liters Per Minute  
R(m): Throw Radius (meter)

Due to the large number of possible combinations of nozzles, only the most common ones are represented.  
To find information relating to other combinations , please advise factory.

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### WARRANTY AND EXCLUSIONS

The manufacturer guarantees its products for direct customer against any defects in materials or manufacture for a period of two years from the original date of purchase, only when the products have been used under normal operating conditions. The manufacturer assumes no responsibility for installation, removal or repairs carried out by unauthorised personnel. The manufacturer's liability under this warranty is limited to the replacement or repair of defective parts and the manufacturer does not accept responsibility for damages to crops or any other consequential damages deriving from defects in the products covered by this warranty.

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