

## Falcon® 6504 Series

Reliable and Economical

### Features

- Ratcheting stem just like standard spray bodies
- 3-port, color-coded Rain Curtain nozzles for optimal long range, mid-range, and close-in watering
- SAM Seal-A-Matic check valve
- Self-adjusting stator does not require replacement when changing nozzles
- Heavy-duty, stainless steel retract spring ensures positive pop-down
- 5 year warranty

### Options

- **Stainless steel (SS) riser** helps deter vandalism on public turf areas
- **Purple cover (NP)** for non-potable systems

### Operating Specifications

- Reversing full- and part-circle adjustment from 40-360°
- Precipitation rate: 9 to 33 mm/h
- Radius: 11.3 to 19.8 m
- Pressure: 2.1 to 6.2 bar
- Flow: 0.66 to 4.93 m³/h; 10.8 to 82.2 l/m
- 1" female NPT or BSP threaded inlet
- SAM Seal-A-Matic™ check valve check device holds up to 3.1 m of elevation change
- Rain Curtain™ Nozzles: Included with rotor, other sizes available upon request; 10-grey, 12-beige, 14-light green, 16-dark brown, 18-dark blue
- Nozzle outlet trajectory is 25°

### Models

Select models shown. Review your regional price list for complete availability.


- I6504PC: Falcon Series 4" BSP Part Circle
- I6504FC: Falcon Series 4" BSP Full Circle
- I6504PCSS: Falcon Series 4" BSP Part Circle Stainless Steel
- I6504FCSS: Falcon Series 4" BSP Full Circle Stainless Steel
- 6504PC: Falcon Series 4" NPT Part Circle
- 6504FC: Falcon Series 4" NPT Full Circle






Falcon® 6504 Series

 9 to 33 mm/h

 2.1 to 6.2 bar

 10.8 to 82.2 l/m  
0.66 to 4.93 m³/h

 4" (10 cm)  
 21.6 cm  
 1" NPT or BSP

### How to Specify

**6504 - PC - SS - NP**

Model  
6504: Falcon

Rotation  
PC: Part-circle  
FC: Full-circle

Optional Feature  
SS: Stainless steel

Optional Features  
NP: Non-potable cover

Note: For non-U.S. applications, it is necessary to specify NPT or BSP thread type.



## Falcon® 6504 Nozzle Performance

| Pressure bar | Nozzle | Radius m | Flow m³/h | Flow l/m | Precip mm/h | Precip mm/h |
|--------------|--------|----------|-----------|----------|-------------|-------------|
| 2.1          | ● 4    | 11.9     | 0.66      | 10.98    | 9           | 11          |
|              | ● 6    | 13.1     | 0.95      | 15.90    | 11          | 13          |
| 2.5          | ● 4    | 12.3     | 0.72      | 11.92    | 10          | 11          |
|              | ● 6    | 13.5     | 1.05      | 17.56    | 12          | 13          |
|              | ● 8    | 14.9     | 1.50      | 25.20    | 13          | 16          |
|              | ● 10   | 15.5     | 1.84      | 30.60    | 15          | 18          |
|              | ● 12   | 16.2     | 2.20      | 36.60    | 17          | 19          |
|              | ● 14   | 16.8     | 2.57      | 42.60    | 18          | 21          |
|              | ● 16   | 16.8     | 2.86      | 47.40    | 20          | 24          |
| 3.0          | ● 4    | 12.5     | 0.78      | 13.02    | 10          | 12          |
|              | ● 6    | 14.1     | 1.16      | 19.34    | 12          | 13          |
|              | ● 8    | 15.1     | 1.56      | 26.04    | 14          | 16          |
|              | ● 10   | 15.8     | 1.92      | 31.99    | 15          | 18          |
|              | ● 12   | 16.4     | 2.31      | 38.44    | 17          | 20          |
|              | ● 14   | 17.2     | 2.68      | 44.63    | 18          | 21          |
|              | ● 16   | 17.4     | 3.00      | 49.95    | 20          | 23          |
| 3.5          | ● 4    | 12.5     | 0.85      | 14.09    | 11          | 13          |
|              | ● 6    | 14.9     | 1.26      | 20.96    | 11          | 13          |
|              | ● 8    | 15.5     | 1.69      | 28.24    | 14          | 16          |
|              | ● 10   | 16.2     | 2.08      | 34.70    | 16          | 18          |
|              | ● 12   | 16.8     | 2.52      | 41.98    | 18          | 21          |
|              | ● 14   | 18.0     | 2.91      | 48.45    | 18          | 21          |
|              | ● 16   | 18.6     | 3.27      | 54.53    | 19          | 22          |
| 4.0          | ● 4    | 12.5     | 0.89      | 14.91    | 11          | 13          |
|              | ● 6    | 14.4     | 1.34      | 22.33    | 13          | 15          |
|              | ● 8    | 15.5     | 1.83      | 30.44    | 15          | 17          |
|              | ● 10   | 16.6     | 2.23      | 37.17    | 16          | 19          |
|              | ● 12   | 17.3     | 2.72      | 45.28    | 18          | 21          |
|              | ● 14   | 18.5     | 3.12      | 52.01    | 18          | 21          |
|              | ● 16   | 19.1     | 3.50      | 58.37    | 19          | 22          |

## Falcon® 6504 Nozzle Performance

| Pressure bar | Nozzle | Radius m | Flow m³/h | Flow l/m | Precip mm/h | Precip mm/h |
|--------------|--------|----------|-----------|----------|-------------|-------------|
| 4.5          | ● 4    | 12.5     | 0.96      | 15.94    | 12          | 14          |
|              | ● 6    | 14.6     | 1.40      | 23.33    | 13          | 15          |
|              | ● 8    | 15.5     | 1.95      | 32.43    | 16          | 19          |
|              | ● 10   | 17.1     | 2.37      | 39.44    | 16          | 19          |
|              | ● 12   | 17.7     | 2.89      | 48.17    | 18          | 21          |
|              | ● 14   | 18.6     | 3.32      | 55.38    | 19          | 22          |
|              | ● 16   | 19.2     | 3.71      | 61.82    | 20          | 23          |
| 5.0          | ● 4    | 12.7     | 1.01      | 16.84    | 13          | 15          |
|              | ● 6    | 14.9     | 1.47      | 24.50    | 13          | 15          |
|              | ● 8    | 15.7     | 2.05      | 34.16    | 17          | 19          |
|              | ● 10   | 17.2     | 2.50      | 41.64    | 17          | 19          |
|              | ● 12   | 18.1     | 3.04      | 50.72    | 19          | 21          |
|              | ● 14   | 18.6     | 3.51      | 58.49    | 20          | 23          |
|              | ● 16   | 19.2     | 3.91      | 65.11    | 21          | 24          |
| 5.5          | ● 4    | 13.1     | 1.04      | 17.39    | 12          | 14          |
|              | ● 6    | 14.9     | 1.56      | 25.79    | 14          | 16          |
|              | ● 8    | 16.1     | 2.13      | 35.54    | 16          | 19          |
|              | ● 10   | 16.8     | 2.63      | 43.84    | 19          | 22          |
|              | ● 12   | 18.6     | 3.18      | 52.92    | 18          | 21          |
|              | ● 14   | 18.6     | 3.67      | 61.23    | 21          | 25          |
|              | ● 16   | 19.2     | 4.10      | 68.40    | 22          | 26          |
| 6.0          | ● 18   | 19.8     | 4.79      | 79.77    | 24          | 28          |
| 6.2          | ● 18   | 19.8     | 4.93      | 82.13    | 25          | 29          |

Rotors

Precipitation rates based on half-circle operation

■ Square spacing based on 50% diameter of throw

▲ Triangular spacing based on 50% diameter of throw

Performance data collected in zero wind conditions

Performance data derived from tests that conform with ASABE Standards; ASABE S398.1.

See page 150 for complete ASABE Test Certification Statement.

### Low Flow Kit - B81610



### Standard Flow Kit - B81620



Falcon® 6504 Rain Curtain™ Nozzles