

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

Optional Feature
SS: Stainless steel

Optional Features
NP: Non-potable cover

Rotation
PC: Part-circle
FC: Full-circle

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	18	18.0	3.11	51.60	19	22
	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
3.5	16	17.4	3.00	49.95	20	23
	18	18.0	3.25	54.11	20	23
	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
4.0	14	18.0	2.91	48.45	18	21
	16	18.6	3.27	54.53	19	22
	18	18.1	3.53	58.78	22	25
	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
	18	19.0	3.81	63.45	21	24

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 161 for complete ASABE Test Certification Statement.

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	18	19.5	4.03	67.12	21	24
	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
5.5	16	19.2	3.91	65.11	21	24
	18	19.8	4.23	70.51	22	25
	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
6.0	14	18.6	3.67	61.23	21	25
	16	19.2	4.10	68.40	22	26
	18	19.8	4.44	74.07	23	26
	4	19.8	4.79	79.77	24	28
	6	19.8	4.93	82.13	25	29

Low Flow Kit - B81610



Standard Flow Kit - B81620



Falcon® 6504 Rain Curtain™ Nozzles