

spray head sprinklers



6302

2½" Pop-up

6304, 6404ADV

4" Pop-up, 4" Pop-up with heavy-duty spring and anti-drain valve (ADV)

6306, 6406ADV

6" Pop-up, 6" Pop-up with heavy-duty spring and anti-drain valve (ADV)

6312, 6412ADV

12" Pop-up, 12" Pop-up with heavy-duty spring and anti-drain valve (ADV)

SPECIFICATIONS

Operating range:

15-60 psi (6300 series)

20-60 psi (6400 series)

Optimum working pressure:

30 psi

Maximum working pressure:

60 psi

Sealing pressure:

Less than 10 psi (6300 series)

Less than 20 psi (6400 series)

Pop-up height:

2½" (6302)

4" (6304, 6404-ADV)

6" (6306, 6406-ADV)

12" (6312, 6412-ADV)

Body height:

3½" (6302)

3¾" (6304, 6404-ADV)

5¾" (6306, 6406-ADV)

15" (6312, 6412-ADV)

Flush rate:

0.2 gpm

Inlet size:

½" female

ADV models:

Holds back up to 10¹ difference in elevation

Screen mesh:

.045 sq. in./1150 micron

per box:

50 (6302, 6304, 6404)

100 (6306, 6406)

50 (6312, 6412)

ACCESSORIES

6318 PISTON EXTENSION:

Model 6318 adds 6" to any series pop-up – perfect for landscape areas that need extra clearance. It threads directly onto the top of the piston and accepts all Signature spray nozzles.

7300 ADJUSTABLE BUBBLER:

Model 7300 provides an umbrella pattern that can be adjusted with a stainless steel set screw. Bubbler installs on standard ½" riser and has a maximum flow of 4.9 gpm at 18" radius.

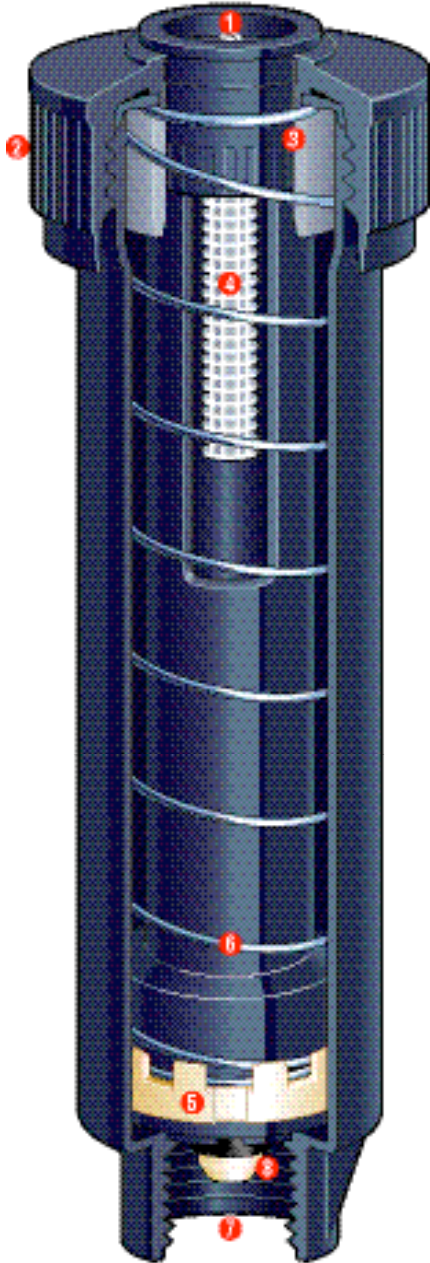
6390RWC:

- Identifies reclaimed water site



PSI	FT	GPM	Model	BAR		kPa		m		L/min		m ³ /hr	
				1	2	1	2	1	2	1	2	1	2
20	0.8	2.9	7300 FILL (3/8")	1.4	138	0.2	11.0						
30	0.9	3.5		0.66		2.1	207	0.3					
40	1.1	4.1		13.2	0.79			2.8					
50	1.2	4.5		276	0.3	15.5	0.93						
60	1.2	4.9		3.5	345	0.4	17.0						

¹ Radius and flow can be reduced with adjustment screw.



- **PRECISE SPRAY PATTERNS**
helps eliminate wasted water and dry spots
- 1 **STAINLESS STEEL ADJUSTMENT SCREW**
reduces radius. Will not rust
- 2 **DOME DESIGN CAP**
flushes sand and debris away from piston
- 3 **DOUBLE-LIPPED WIPER SEAL**
insures that sand and debris are kept out of the body and seal
- 4 **ONE PIECE FILTER SCREEN AND SEAT**
insure the reliability and quality of the spray pattern
- 5 **RATCHETING FRICTION COLLAR**
cuts installation time and allows 360° adjustment of the piston to align pattern exactly
- **ABS HEAVY-DUTY PLASTIC MATERIALS**
used on all pop-up bodies and nozzles is proven strong and tough in sprinkler applications
- 6 **STAINLESS STEEL RETRACTION SPRING**
assures positive piston retraction
- 7 **1/2" BOTTOM INLET**
standard on all models. Additional side inlet on 12" models
- 8 **ANTI-DRAIN VALVE (Pro 6400-ADV)**
helps eliminate low head drainage and puddling. Holds back up to 10' difference in elevation
- **MATCHED PRECIPITATION NOZZLES**
apply water at the same rate regardless of arc
- **5-YEAR WARRANTY**
on materials and workmanship

spray head sprinklers



6612

6604

6606

6603



7300

ACCESSORIES

6318 PISTON EXTENSION:

Model 6318 adds 6" to any series pop-up – perfect for landscape areas that need extra clearance. It threads directly onto the top of the piston and accepts all Signature spray nozzles.

7300 ADJUSTABLE BUBBLER:

Model 7300 provides an umbrella pattern that can be adjusted with a stainless steel set screw. Bubbler installs on standard 1/2" riser and has a maximum flow of 4.9 gpm at 18" radius.

6690 RWC:

- Identifies reclaimed water



			Model						
PSI	FT	GPM	7300 FULL (18" R)	BAR	kPa	m	L/min	m ³ hr	
20	0.8	2.9		1.4	138	0.2	11.0		
30	0.9	3.5		0.66		2.1	207	0.3	
40	1.1	4.1		13.2	0.79		2.8		
50	1.2	4.5		276	0.3	15.5	0.93		
60	1.2	4.9		3.5	345	0.4	17.0		

¹ Radius and flow can be reduced with adjustment screw.

6603

3" Pop-up

6604, 6604SPEC, 6604ADV

4" Pop-up, 4" Pop-up with pressure regulator (SPEC) and anti-drain valve (ADV)

6606, 6606SPEC, 6606ADV

6" Pop-up, 6" Pop-up with pressure regulator (SPEC) and anti-drain valve (ADV)

6612, 6612SPEC, 6612ADV

12" Pop-up, 12" Pop-up with pressure regulator (SPEC) and anti-drain valve (ADV)

SPECIFICATIONS

Operating range:

- 15-60 psi (6600 series)
- 20-60 psi (6600 SPEC series)

Optimum working pressure:

30 psi

Maximum working pressure:

60 psi

Sealing pressure:

- Less than 15 psi (6600 series)
- Less than 15 psi (6600 SPEC series)

Pop-up height:

- 3" (6603)
- 4" (6604)
- 6" (6606)
- 12" (6612)

Body height:

- 5 7/8" (6603)
- 6" (6604)
- 8" (6606)
- 15" (6612)

Flush rate:

0.2 gpm

Inlet size:

1/2" female

SPEC models:

Pressure regulator holds maximum discharge pressure to 30 psi

ADV models:

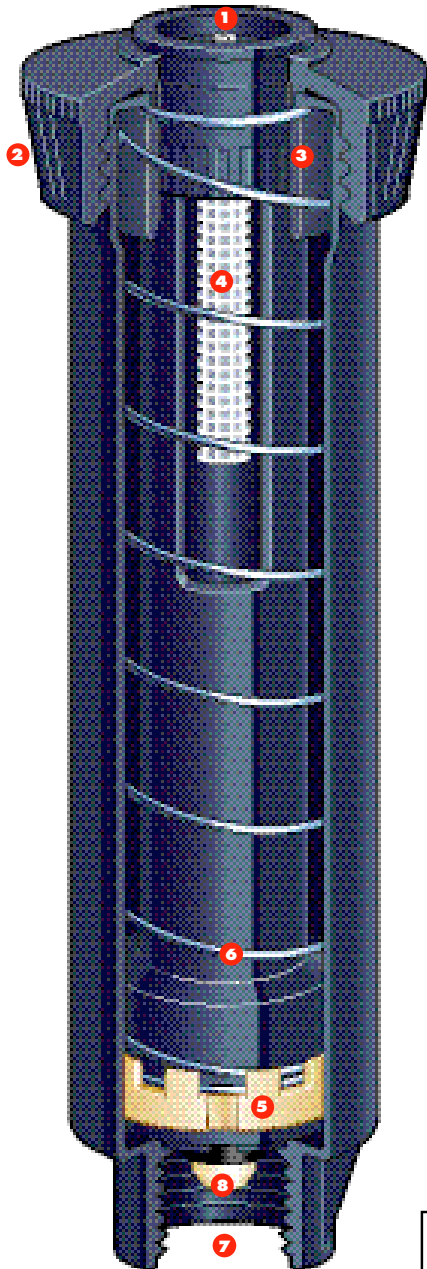
Holds back up to 10' difference in elevation

Screen mesh:

.045 sq. in. / 1150 micron

per box:

- 50 (6603, 6604, 6606 and SPEC)
- 25 (6612 and 6612 SPEC)



- **PRECISE SPRAY PATTERNS**

helps eliminate wasted water and dry spots

- 1 **STAINLESS STEEL ADJUSTMENT SCREW**

reduces radius. Will not rust

- 2 **ONE PIECE OVER-MOLDED CAP & SEAL DESIGN**

flushes sand and debris away from piston

- 3 **DOUBLE-LIPPED WIPER SEAL**

insures that sand and debris are kept out of the body and seal

- 4 **ONE PIECE FILTER SCREEN AND SEAT**

insure the reliability and quality of the spray pattern

- 5 **FRICTION COLLAR**

cuts installation time and allows 360° adjustment of the piston to align pattern exactly. Ratcheting design allows 2° increment adjustments

- **ABS HEAVY-DUTY PLASTIC MATERIALS**

used on all pop-up bodies and nozzles is proven strong and tough in sprinkler applications

- 6 **STAINLESS STEEL RETRACTION SPRING**

assures positive piston retraction

- 7 **1/2" BOTTOM INLET**

standard on all models. Additional side inlet on 12" models

- 8 **ANTI-DRAIN VALVE**

helps eliminate low head drainage and puddling. Holds back up to 10' difference in elevation

- **MATCHED PRECIPITATION NOZZLES**

apply water at the same rate regardless of arc

- **5-YEAR WARRANTY**

on materials and workmanship



- **PRESSURE REGULATOR**

Maximum of 30 PSI Operating Pressure

spray head sprinklers

8' FIXED PATTERN (8' Radius, 5° Trajectory - flat)

PSI	FT. R	GPM	IN/HR ▲	Model	Precipitation			
					BARS	M	MH L/min	MM/HR▲
15	6	1.0	2.3 2.8	7284 8 F-FULL	1.1104	1.8	0.23 3.8	58.4
20	7	1.2	2.1 2.6		71.1	1.4	1.38 2.1	0.27 4.5
25	7	1.2	2.0 2.5		53.3660	1.8	1.73	2.1
30	8	1.5	1.9 2.4		0.274 50.8	63.5		
15	6	0.5	2.3 2.8	7282 8 H-FULL	2.1207	2.4	0.34 5.7	48.2
20	7	0.6	2.1 2.6		61.0			
25	7	0.6	2.0 2.5		1.1104	1.8	0.11 1.9	58.4
30	8	0.7	1.9 2.3		71.1	1.4	1.38 2.1	0.14 2.3
15	6	0.3	2.3 2.8	7281 8Q-FULL	53.3660	1.8	1.73	2.1
20	7	0.3	2.1 2.6		0.142 3.5	50.8	63.5	
25	7	0.3	2.0 2.5		2.1207	2.4	0.16 2.6	48.2
30	8	0.4	1.9 2.3		61.0			

10' FIXED PATTERN (10' Radius, 15° Trajectory - low angle)

PSI	FT. R	GPM	IN/HR ▲	Model	Precipitation			
					BARS	M	MH L/min	MM/HR▲
15	7	1.2	2.3 2.6	7274 10F-LA	1.1104	2.1	0.27 4.5	58.4 66.0
20	8	1.3	2.0 2.3		1.4138	2.4	0.30 4.9	50.8 58.4
25	9	1.4	1.7 2.0		1.8173	2.7	0.32 5.3	43.2 50.8
30	10	1.6	1.5 1.8		2.1207	3.1	0.36 6.1	38.1 45.7
15	7	0.6	2.3 2.6	7272 10H-LA	1.1104	2.1	0.14 2.3	58.4 66.0
20	8	0.6	2.0 2.3		1.4138	2.4	0.14 2.3	50.8 58.4
25	9	0.7	1.7 2.0		1.8173	2.7	0.16 2.6	43.2 50.8
30	10	0.8	1.5 1.8		2.1207	3.1	0.18 3.0	38.1 45.7
15	7	0.3	2.3 2.6	7271 10Q-LA	1.1104	2.1	0.06 1.1	58.4 66.0
20	8	0.3	2.0 2.3		1.4138	2.4	0.06 1.1	50.8 58.4
25	9	0.4	1.7 2.0		1.8173	2.7	0.09 1.5	43.2 50.8
30	10	0.4	1.5 1.8					

12' FIXED PATTERN (12' Radius, 30° Trajectory - low gallonage)

PSI	FT. R	GPM	IN/HR ▲	Model	Precipitation			
					BARS	M	MH L/min	MM/HR▲
15	9	1.8	2.1 2.5	7374 12F FULL (360°)	1.1104	2.7	0.40 6.8	53.3 63.5
20	10	2.1	2.0 2.3		1.4138	3.1	0.48 7.9	50.8 58.4
25	11	2.4	1.9 2.2		1.8173	3.4	0.54 9.1	48.2 55.9
30	12	2.6	1.7 2.0		2.1207	3.7	0.59 9.8	43.2 50.8
15	9	1.4	2.1 2.5	7373 12TQ 3/4	1.1104	2.7	0.32 5.3	53.3 63.5
20	10	1.6	2.0 2.3		1.4138	3.1	0.36 6.1	50.8 58.4
25	11	1.8	1.9 2.2		1.8173	3.4	0.41 6.8	48.2 55.9
30	12	2.0	1.7 2.0		2.1207	3.7	0.45 7.6	43.2 50.8
15	9	1.2	2.1 2.5	7375 12TT	1.1104	2.7	0.27 5.5	53.3 63.5
20	10	1.4	2.0 2.3		1.4138	3.1	0.32 5.3	50.8 58.4
25	11	1.6	1.9 2.2		1.8173	3.4	0.36 6.1	48.2 55.9
30	12	1.7	1.7 2.0		2.1207	3.7	0.39 6.4	43.2 50.8
15	9	0.9	2.1 2.5	7372 12H	1.1104	2.7	0.20 3.4	53.3 63.5
20	10	1.1	2.0 2.3		1.4138	3.1	0.25 4.2	50.8 58.4
25	11	1.2	1.9 2.2		1.8173	3.4	0.27 4.5	48.2 55.9
30	12	1.3	1.7 2.0		2.1207	3.7	0.30 4.9	43.2 50.8
15	9	0.6	2.1 2.5	7376	1.1104	2.7	0.14 2.3	53.3 63.5
20	10	0.7	2.0 2.3		1.4138	3.1	0.16 2.6	50.8 58.4
25	11	0.8	1.9 2.2		1.8173	3.4	0.18 3.0	48.2 55.9
30	12	0.9	1.7 2.0		2.1207	3.7	0.20 3.1	43.2 50.8
15	9	0.5	2.1 2.5	7371 12Q	1.1104	2.7	0.11 1.9	53.3 63.5
20	10	0.5	2.0 2.3		1.4138	3.1	0.11 1.9	50.8 58.4
25	11	0.6	1.9 2.2		1.8173	3.4	0.14 2.3	48.2 55.9
30	12	0.7	1.7 2.0		2.1207	3.7	0.16 2.6	43.2 50.8

15' FIXED PATTERN (15' Radius, 30° Trajectory - standard)

PSI	FT. R	GPM	IN/HR ▲	Model	Precipitation			
					BARS	M	MH L/min	MM/HR▲
15	11	2.6	2.1 2.4	7074 15F	1.1104	3.4	0.59 9.8	53.3 60.7
20	12	3.0	2.0 2.3		1.4138	3.7	0.68 11.4	50.8 58.4
25	14	3.3	1.6 1.9		1.8173	4.3	0.75 12.5	40.6 48.2
30	15	3.7	1.6 1.8		2.1207	4.6	0.84 14.0	40.6 45.7
15	11	2.0	2.1 2.4	7073 15TQ	1.1104	3.4	0.45 7.6	53.3 60.7
20	12	2.3	2.0 2.3		1.4138	3.7	0.52 8.7	50.8 58.4
25	14	2.5	1.6 1.9		1.8173	4.3	0.57 9.5	40.6 48.2
30	15	2.8	1.6 1.8		2.1207	4.6	0.64 10.6	40.6 45.7
15	11	1.7	2.1 2.4	7075 15ST	1.1104	3.4	0.39 6.4	53.3 60.7
20	12	2.0	2.0 2.3		1.4138	3.7	0.45 7.6	50.8 58.4
25	14	2.2	1.6 1.9		1.8173	4.3	0.50 8.3	40.6 48.2
30	15	2.5	1.6 1.8		2.1207	4.6	0.57 9.5	40.6 45.7
15	11	1.3	2.1 2.4	7072 15H	1.1104	3.4	0.30 4.9	53.3 60.7
20	12	1.5	2.0 2.3		1.4138	3.7	0.34 5.7	50.8 58.4
25	14	1.7	1.6 1.9		1.8173	4.3	0.39 6.4	40.6 48.2
30	15	1.9	1.6 1.8		2.1207	4.6	0.43 7.2	40.6 45.7
15	11	0.9	2.1 2.4	7076 15T	1.1104	3.4	0.20 3.4	53.3 60.7
20	12	1.0	2.0 2.3		1.4138	3.7	0.22 3.8	50.8 58.4
25	14	1.1	1.6 1.9		1.8173	4.3	0.25 4.2	40.6 48.2
30	15	1.2	1.6 1.8		2.1207	4.6	0.27 4.5	40.6 45.7
15	11	0.7	2.1 2.4	7071	1.1104	3.4	0.16 2.6	53.3 60.7
20	12	0.8	2.0 2.3		1.4138	3.7	0.18 3.0	50.8 58.4
25	14	0.8	1.6 1.9		1.8173	4.3	0.18 3.0	40.6 48.2
30	15	0.9	1.6 1.8		2.1207	4.6	0.20 3.4	40.6 45.7

SPECIAL PATTERN

PSI	FT. R	GPM	IN/HR ▲	Model	Precipitation			
					BARS	M	MH L/min	MM/HR▲
15	18 X 18	2.6	3.1 3.6	7081 15SQ	1.1104	5.5 X 5.5	0.59 9.8	78.7 91.4
20	20 X 20	3.0	2.9 3.3		1.4138	6.1 X 6.1	0.68 11.4	73.7 83.3
25	22 X 22	3.3	2.6 3.0		1.8173	6.7 X 6.7	0.75 12.5	56.0 76.2
30	24 X 24	3.7	2.5 2.9		2.1207	7.3 X 7.3	0.84 14.0	46.3 53.7
15	4 X 13	0.5	1.7 -	7082 15EST	1.1104	1.2 X 4.0	0.11 1.9	43.2 -
20	4 X 14	0.5	1.7 -		1.4138	1.2 X 4.3	0.11 1.9	43.2 -
25	4 X 14	0.6	1.9 -		1.8173	1.2 X 4.3	0.14 2.3	48.3 -
30	4 X 15	0.6	1.9 -		2.1207	1.2 X 4.6	0.14 2.3	48.3 -
15	4 X 26	0.9	1.7 -	7083 15CST	1.1104	1.2 X 7.9	0.20 3.4	43.2 -
20	4 X 28	1.0	1.7 -		1.4138	1.2 X 8.5	0.22 3.8	43.2 -
25	4 X 28	1.1	1.9 -		1.8173	1.2 X 8.5	0.25 4.2	48.3 -
30	4 X 30	1.2	1.9 -		2.1207	1.2 X 9.0	0.27 4.5	48.3 -
15	4 X 26	0.9	1.7 -	7084	1.1104	1.2 X 7.9	0.20 3.4	43.2 -
20	4 X 28	1.0	1.7 -		1.4138	1.2 X 8.5	0.22 3.8	43.2 -
25	4 X 28	1.1	1.9 -		1.8173	1.2 X 8.5	0.25 4.2	48.3 -
30	4 X 30	1.2	1.9 -		2.1207	1.2 X 9.0	0.27 4.5	48.3 -

1 Assumes zero wind for precipitation and radius. Adjust for local conditions.

7170 MULTI-ARC™ (7' Radius, 5° Trajectory)

Precipitation	PSI	FT. R	GPM	IN/HR ▲	Mode	Precipitation			
						BARS	M	MH L/min	MM/HR▲
20	7.0	1.10	2.2 2.5	7170 FULL (360°)	1.4	2.1	0.25 4.2	54.9 63.4	
25	7.0	1.24	2.4 2.8		1.7	2.1	0.28 4.7	61.9	
30	8.0	1.35	2.0 2.2		71.4				
20	7.0	0.82	1.6 2.5		2.0	2.4	0.31 5.1	51.6 59.5	
25	7.0	0.92	1.8 2.8	7170 3/4 (270°)	1.4	2.1	0.19 3.1	40.9 63.4	
30	8.0	1.02	1.5 2.2		1.7	2.1	0.21 3.5	45.9	
20	7.0	0.76	1.5 2.5		71.4				
25	7.0	0.86	1.7 2.8		2.0	2.4	0.23 3.9	39.0 59.5	
20	7.0	0.93	1.4 2.2	7170 2/3 (240°)	1.4	2.1	0.17 2.9	37.9 63.4	
25	7.0	1.07	1.5 2.2		1.7	2.1	0.20 3.3	42.9	
30	8.0	1.17	1.1 2.2		71.4				
20	7.0	0.57	1.1 2.5		2.0	2.4	0.21 3.5	35.5 59.5	
25	7.0	0.65	1.3 2.8	7170 1/2 (180°)	1.4	2.1	0.13 2.2	28.4 63.4	
30	8.0	0.70	1.1 2.2		1.7	2.1	0.15 2.5	32.4	
20	7.0	0.37	0.7 2.5		71.4				
25	7.0	0.43	0.8 2.8		2.0	2.4	0.16 2.6	26.7 59.5	
20	7.0	0.30	0.6 2.5	7170 1/4 (90°)	1.4	2.1	0.08 1.4	18.5 63.4	
25	7.0	0.35	0.7 2.8		1.7	2.1	0.10 1.6	21.5	
30	8.0	0.38	0.6 2.2		71.4				
20	7.0	0.22	0.5 2.2						

7270 MULTI-ARC™ (10' Radius, 10° Trajectory)

Precipitation	PSI	FT. R	GPM	IN/HR ▲	Mode	Precipitation			
						BARS	M	MH L/min	MM/HR▲
20	10.0	1.27	1.2 1.4	7270 FULL (360°)	1.4	3.0	0.29 4.8	31.0 35.9	