



3/4" Full Circle 75-27

Materials

Body & Arm
Bearing Sleeve & Nipple
Springs & Pivot Pin
Washers

Bronze
Brass
Stainless Steel
Neoprene Rubber
/PTFE/ High
performance PE
Stainless Steel

Trip Mechanism (75-27PC)

Applications

- Used on wheel lines, hard lines, solid set, permanent set, and mechanically moved systems such as center pivot systems.
- Available with steam-straightening vanes for longer throw where strong wind is prevalent.

Features & Benefits

- Heavy duty bearing stack giving longer life.
- Bottom black rubber washers have higher hardness than most, extending reliability and life.
- True bronze body and arm giving malleability and strength against cracking or breaking.
- Brass nipple and bearing sleeve for durability.
- The middle bushing is made of ultra high molecular plastic compound for considerably longer life than most on high operating pressure.
- The bottom spring is specially made for this sprinkler to run smoother to help with rotational speed and uniformity.
- The dust cap is made of poly-acetate material unlike some using rubber washers, it rotates with the brass body rather than against it, extending its life.
- The washer underneath the dust cap is also made of ultra high molecular plastic material for strength.
- The top spring has two notches to position the spring which allows to change tension and rotational speed.

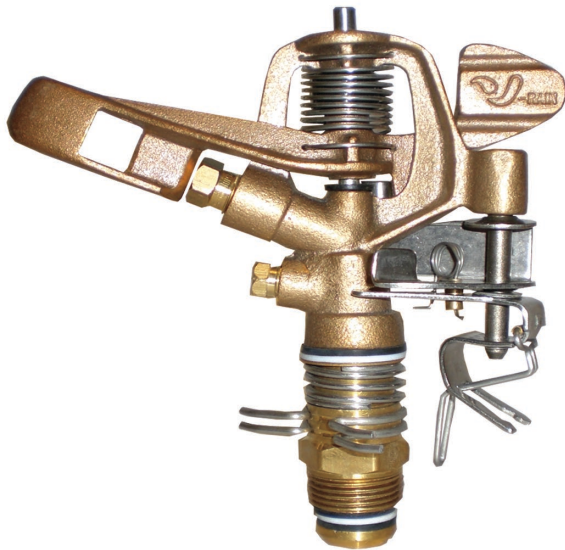
3/4" Full Circle 75-27 Single Nozzle										
Nozzle Pressure	9/64"xPlug		5/32"xPlug		11/64"xPlug		3/16"xPlug		13/64"xPlug	
psi	gpm	ft.	gpm	ft.	gpm	ft.	gpm	ft.	gpm	ft.
35	3.45	86	4.20	88	5.16	92	6.08	96	7.12	98
40	3.62	86	4.55	88	5.48	94	6.45	96	7.65	100
45	3.88	88	4.72	90	5.76	96	6.87	98	8.10	102
50	4.16	90	5.05	92	6.13	96	7.25	100	8.54	104
55	4.25	90	5.26	94	6.33	98	7.66	102	8.92	106
60	4.45	92	5.55	96	6.65	100	7.94	104	9.32	108
65	4.66	94	5.80	98	6.95	102	8.22	106	9.75	110
70	4.82	96	5.95	100	7.24	104	8.54	108	10.00	112
75	5.05	96	6.18	102	7.44	104	8.85	110	10.45	114
80	5.18	98	6.37	102	7.78	106	9.16	110	10.75	116

Note: Spray diameter in feet.

-Rain® Metal Sprinklers

3/4" Full Circle 75-27 Dual Nozzle										
Nozzle Pressure	9/64"x3/32"		5/32"x3/32"		11/64"x3/32"		3/16"x3/32"		13/64"x3/32"	
psi	gpm	ft.	gpm	ft.	gpm	ft.	gpm	ft.	gpm	ft.
35	4.99	86	5.76	88	6.65	92	7.54	96	8.66	98
40	5.32	86	6.13	88	7.12	94	8.13	96	9.34	100
45	5.65	88	6.54	90	7.45	96	8.54	98	9.97	102
50	5.95	90	6.87	92	7.96	96	9.06	100	10.35	104
55	6.17	90	7.15	94	8.24	98	9.45	102	10.82	106
60	6.45	91	7.46	96	8.65	100	9.96	104	11.34	108
65	6.78	94	7.85	98	8.96	102	10.25	106	11.75	110
70	6.96	96	8.14	100	9.34	104	10.75	108	12.16	112
75	7.24	96	8.36	102	9.65	104	11.08	110	12.62	114
80	7.54	98	8.77	102	10.08	106	11.55	112	13.05	116

Note: Spray diameter in feet.



3/4" Part Circle 75-27PC

Applications

- Most commonly used in agricultural permanent solid-set systems, wheel lines at line ends or corner location.
- In landscaping and horticulture where application must be limited to planted areas away from walks and roads.

Features & Benefits

- Part circle converts easily to full circle using the trip pin.
- Single or dual nozzles for multiple uses.
- 27° trajectory angle for longer throw.
- Chemical, corrosion and grit resistant parts.
- Body and arm made of bronze alloy giving malleability and strength against cracking or breaking.
- Stainless steel springs and trip mechanism parts for extended life.

Sprinkler Part #s	
3/4" 27° Full Circle	75-27HF-XXXX-XXXX
3/4" 27° Part Circle	75-27PC-XXXX-XXXX

Example: 3/4" Sprinkler with 11/64" x 3/32" Nozzle
75-27HF-1164x0332
Example: 3/4" Sprinkler with 5/32" x Plug
75-27HF-0532xPlug

3/4" Part Circle 75-27PC						
Nozzle Pressure	3/16" x 1/8"		13/64" x 1/8"		7/32" x 1/8"	
psi	gpm	ft.	gpm	ft.	gpm	ft.
30	7.60	96	9.21	100	9.80	102
35	8.49	98	9.60	102	10.80	103
40	9.10	99	10.70	104	11.30	106
45	9.60	101	11.21	107	12.25	108
50	10.49	102	11.70	109	12.75	110
55	10.90	106	12.40	110	13.29	113
60	11.35	100	12.85	111	13.85	116

Note: Spray diameter in feet.

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