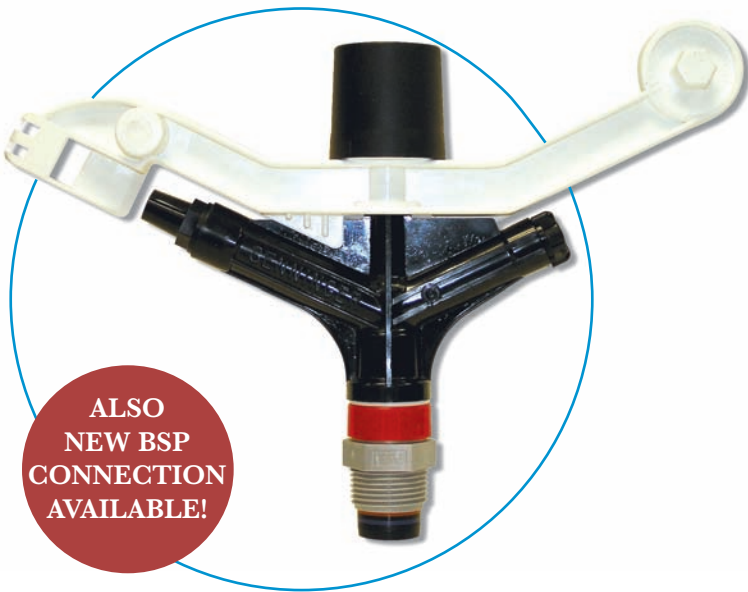


# 70series[Impacts



The 70 Series full-circle impacts distribute water over a large diameter for higher volume systems.

**FEATURES:**

- Single and double nozzle designs available.
- Outlasts and costs less than brass sprinklers
- Built-in hex wrench for easy in-the-field maintenance
- Lower bearing pipe thread:  
1" M NPT, 1" F NPT; 1" M BSP also available
- Flow rates: 8.11 to 39.1 gpm [0.52 to 2.5 L/s]
- Color-coded nozzles for easy size identification /warranted to maintain correct orifice size for five years
- Two-year warranty on materials, workmanship AND performance

## 7025RD-1-1" M

U.S. Data									Metric Data						
Spklr Base Press. [psi]	30	35	40	45	50	55	60	65	[bar]	2.0	2.5	3.0	3.5	4.0	4.5
									[psi]	29.00	36.25	43.50	50.75	58.00	65.25
<b>#14 Nozzle [7/32"]</b>									<b>#14 Nozzle [5.56mm]</b>						
Flow [gpm]	8.11	8.66	9.20	9.69	10.2	10.6	11.0	11.5	Flow [L/s]	0.52	0.57	0.61	0.66	0.70	0.73
Diam. at 1.5' ht. [ft.]	106	111	113	115	117	119	121	123	Diam. at 0.5m ht. [m]	32.7	34.3	35.1	36.0	36.9	37.8
Diam. at 6.0' ht. [ft.]	114	118	121	124	126	128	129	130	Diam. at 2.0m ht. [m]	35.1	36.6	37.9	38.8	39.3	39.8
<b>#16 Nozzle [1/4"]</b>									<b>#16 Nozzle [6.35mm]</b>						
Flow [gpm]	10.7	11.4	12.1	12.8	13.4	14.0	14.6	15.1	Flow [L/s]	0.69	0.75	0.81	0.87	0.92	0.97
Diam. at 1.5' ht. [ft.]	111	117	120	123	126	129	131	133	Diam. at 0.5m ht. [m]	34.3	36.3	37.6	39.0	40.0	41.0
Diam. at 6.0' ht. [ft.]	122	126	129	131	134	136	137	138	Diam. at 2.0m ht. [m]	37.5	39.0	40.1	41.2	41.8	42.2
<b>#18 Nozzle [7/32"]</b>									<b>#18 Nozzle [7.14mm]</b>						
Flow [gpm]	13.3	14.2	15.0	15.9	16.6	17.4	18.1	18.8	Flow [L/s]	0.85	0.94	1.01	1.08	1.15	1.21
Diam. at 1.5' ht. [ft.]	118	124	127	129	134	139	142	144	Diam. at 0.5m ht. [m]	36.4	38.4	39.6	41.8	43.3	44.5
Diam. at 6.0' ht. [ft.]	128	132	135	137	141	144	146	147	Diam. at 2.0m ht. [m]	39.3	40.9	41.9	43.5	44.5	45.0
<b>#20 Nozzle [5/16"]</b>									<b>#20 Nozzle [7.14mm]</b>						
Flow [gpm]	16.0	17.1	18.2	19.2	20.1	21.0	21.8	22.7	Flow [L/s]	1.02	1.12	1.21	1.29	1.37	1.45
Diam. at 1.5' ht. [ft.]	124	130	134	137	142	146	150	153	Diam. at 0.5m ht. [m]	38.3	40.5	42.0	44.0	45.8	47.1
Diam. at 6.0' ht. [ft.]	133	137	140	143	147	151	154	155	Diam. at 2.0m ht. [m]	40.8	42.4	43.8	45.5	47.0	47.4
<b>#22 Nozzle [1 1/32"]</b>									<b>#22 Nozzle [8.73mm]</b>						
Flow [gpm]	19.3	20.5	21.8	22.9	24.1	25.1	26.1	27.1	Flow [L/s]	1.23	1.34	1.45	1.55	1.65	1.73
Diam. at 1.5' ht. [ft.]	126	133	141	148	153	157	160	162	Diam. at 0.5m ht. [m]	38.9	42.2	45.3	47.4	48.8	49.8
Diam. at 6.0' ht. [ft.]	136	141	146	150	155	159	162	164	Diam. at 2.0m ht. [m]	41.8	44.0	46.0	48.0	49.4	50.1
<b>#24 Nozzle [3/8"]</b>									<b>#24 Nozzle [7.14mm]</b>						
Flow [gpm]	22.4	23.9	25.3	26.7	28.0	29.3	30.4	31.6	Flow [L/s]	1.43	1.56	1.69	1.80	1.91	2.02
Diam. at 1.5' ht. [ft.]	130	138	145	151	156	160	166	169	Diam. at 0.5m ht. [m]	40.2	43.6	46.3	48.3	50.7	52.4
Diam. at 6.0' ht. [ft.]	138	145	150	155	160	164	167	170	Diam. at 2.0m ht. [m]	42.6	45.3	47.5	49.5	50.9	52.4

Sprinkler performance may vary with actual field conditions. Diameters shown are for standard straight bore nozzles and stream straightening vanes. Other nozzles and/or vane combinations are available; Consult factory for specific performance data. Stream heights range from 8.5-15.5 ft. (2.6-4.7m) above nozzle based on pressure and nozzle size. Minimum recommended riser height is 1.5 ft. (0.46m).

## 7025RD-2-1" M

U.S. Data									Metric Data						
Spklr Base Press. [psi]	30	35	40	45	50	55	60	65	[bar]	2.0	2.5	3.0	3.5	4.0	4.5
									[psi]	29.00	36.25	43.50	50.75	58.00	65.25
<b>14x8 - #14 Range Noz. [7/32"] x #8 Spreader Noz.- Lavender [1/8"]</b>									<b>14x8 - #14 Nozzle [5.56 mm] x #8 Lavender [3.18 mm]</b>						
Flow [gpm]	10.7	11.4	12.1	12.7	13.3	13.9	14.5	15.1	Flow [L/s]	0.68	0.75	0.81	0.86	0.92	0.97
Diam. at 1.5' ht. [ft.]	106	111	113	115	117	119	121	123	Diam. at 0.5m ht. [m]	32.7	34.3	35.1	36.0	36.9	37.8
Diam. at 6.0' ht. [ft.]	114	118	121	124	126	128	129	130	Diam. at 2.0m ht. [m]	35.1	36.6	37.9	38.8	39.3	39.8
<b>16x8 - #16 Range Noz. [1/4"] x #8 Spreader Noz.- Lavender [1/8"]</b>									<b>16x8 - #16 Nozzle [6.35 mm] x #8 Lavender [3.18 mm]</b>						
Flow [gpm]	13.4	14.3	15.2	16.0	16.8	17.5	18.2	18.9	Flow [L/s]	0.86	0.94	1.01	1.08	1.15	1.21
Diam. at 1.5' ht. [ft.]	111	117	120	123	126	129	131	133	Diam. at 0.5m ht. [m]	34.3	36.3	37.6	39.0	40.0	41.0
Diam. at 6.0' ht. [ft.]	122	126	129	131	134	136	137	138	Diam. at 2.0m ht. [m]	37.5	39.0	40.1	41.2	41.8	42.2
<b>18x8 - #18 Range Noz. [9/32"] x #8 Spreader Noz.- Lavender [1/8"]</b>									<b>18x8 - #18 Nozzle [7.14 mm] x #8 Lavender [3.18 mm]</b>						
Flow [gpm]	15.9	17.0	18.0	19.0	19.9	20.8	21.6	22.5	Flow [L/s]	1.02	1.12	1.20	1.29	1.37	1.44
Diam. at 1.5' ht. [ft.]	118	124	127	129	134	139	142	144	Diam. at 0.5m ht. [m]	36.4	38.4	39.5	41.8	43.3	44.5
Diam. at 6.0' ht. [ft.]	128	132	135	137	141	144	146	147	Diam. at 2.0m ht. [m]	39.3	40.9	41.9	43.5	44.5	45.0
<b>18x10 - #18 Range Noz. [9/32"] x #10 Spreader Noz.- Turquoise [5/32"]</b>									<b>18x10 - #18 Nozzle [7.14 mm] x #10 Turquoise [3.97 mm]</b>						
Flow [gpm]	17.0	18.2	19.3	20.3	21.3	22.3	23.1	24.0	Flow [L/s]	1.09	1.19	1.29	1.38	1.46	1.54
Diam. at 1.5' ht. [ft.]	118	124	127	129	134	139	142	144	Diam. at 0.5m ht. [m]	36.4	38.4	39.5	41.8	43.3	44.5
Diam. at 6.0' ht. [ft.]	128	132	135	137	141	144	146	147	Diam. at 2.0m ht. [m]	39.3	40.9	41.9	43.5	44.5	45.0
<b>20x10 - #20 Range Noz. [5/16"] x #10 Spreader Noz.- Turquoise [5/32"]</b>									<b>20x10 - #20 Nozzle [7.94 mm] x #10 Turquoise [3.97 mm]</b>						
Flow [gpm]	19.6	20.9	22.2	23.4	24.6	25.7	26.7	27.7	Flow [L/s]	1.26	1.38	1.49	1.59	1.69	1.78
Diam. at 1.5' ht. [ft.]	124	130	134	137	142	146	150	153	Diam. at 0.5m ht. [m]	38.3	40.5	42.0	44.0	45.8	47.1
Diam. at 6.0' ht. [ft.]	133	137	140	143	147	151	154	155	Diam. at 2.0m ht. [m]	40.8	42.4	43.8	45.5	47.0	47.4
<b>20x12 - #20 Range Noz. [5/16"] x #12 Spreader Noz.- Red [3/16"]</b>									<b>20x12 - #20 Nozzle [7.94 mm] x #12 Red [4.76 mm]</b>						
Flow [gpm]	21.3	22.8	24.2	25.5	26.8	27.9	29.1	30.2	Flow [L/s]	1.37	1.50	1.62	1.73	1.83	1.93
Diam. at 1.5' ht. [ft.]	124	130	134	137	142	146	150	153	Diam. at 0.5m ht. [m]	38.3	40.5	42.0	44.0	45.8	47.1
Diam. at 6.0' ht. [ft.]	133	137	140	143	147	151	154	155	Diam. at 2.0m ht. [m]	40.8	42.4	43.8	45.5	47.0	47.4
<b>22x10 - #22 Range Noz. [11/32"] x #10 Spreader Noz.- Turquoise [5/32"]</b>									<b>22x10 - #22 Nozzle [8.73 mm] x #10 Turquoise [3.97 mm]</b>						
Flow [gpm]	22.9	24.5	26.0	27.4	28.7	30.0	31.2	32.4	Flow [L/s]	1.45	1.59	1.72	1.84	1.95	2.05
Diam. at 1.5' ht. [ft.]	126	133	141	148	153	157	160	162	Diam. at 0.5m ht. [m]	38.9	42.2	45.3	47.4	48.8	49.8
Diam. at 6.0' ht. [ft.]	136	141	146	150	155	159	162	164	Diam. at 2.0m ht. [m]	41.8	44.0	46.0	48.0	49.4	50.1
<b>22x12 - #22 Range Noz. [11/32"] x #12 Spreader Noz.- Red [3/16"]</b>									<b>22x12 - #22 Nozzle [8.73 mm] x #12 Red [4.76 mm]</b>						
Flow [gpm]	24.6	26.3	27.9	29.4	30.9	33.6	32.3	34.8	Flow [L/s]	1.58	1.73	1.87	2.00	2.12	2.23
Diam. at 1.5' ht. [ft.]	126	133	141	148	153	157	160	162	Diam. at 0.5m ht. [m]	38.9	42.2	45.3	47.4	48.8	49.8
Diam. at 6.0' ht. [ft.]	136	141	146	150	155	159	162	164	Diam. at 2.0m ht. [m]	41.8	44.0	46.0	48.0	49.4	50.1
<b>24x12 - #24 Range Noz. [3/8"] x #12 Spreader Noz.- Red [3/16"]</b>									<b>24x12 - #24 Nozzle [9.53 mm] x #12 Red [4.76 mm]</b>						
Flow [gpm]	27.6	29.5	31.3	33.0	34.6	36.2	37.6	39.1	Flow [L/s]	1.77	1.94	2.09	2.24	2.38	2.50
Diam. at 1.5' ht. [ft.]	130	138	145	151	156	160	166	169	Diam. at 0.5m ht. [m]	40.2	43.6	46.3	48.3	50.7	52.4
Diam. at 6.0' ht. [ft.]	138	145	150	155	160	164	167	170	Diam. at 2.0m ht. [m]	42.6	45.3	47.5	49.5	50.9	52.4

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