

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. Spreader drive also 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 [1842 to 8881 L/hr]
- Two-year warranty on materials, workmanship AND performance
- Color-coded nozzles for easy size identification; warranted to maintain correct orifice size for five years

7025RD- |

Sprinkler Base Pressure [psi]									[bar]								
	35	40	45	50	55	60	65	70		2.41	2.76	3.10	3.45	3.79	4.14	4.48	4.83
#14 Nozzle [7/32"]									#14 Nozzle [5.56mm]								
Flow [gpm]	8.11	8.66	9.20	9.69	10.2	10.6	11.0	11.5	Flow [L/hr]	1842	1967	2090	2201	2317	2408	2498	2612
Diam. at 1.5' ht. [ft.]	106	111	113	115	117	119	121	123	Diam. at 0.46m ht. [m]	32.3	33.8	34.4	35.1	35.7	36.3	36.9	37.5
Diam. at 6.0' ht. [ft.]	114	118	121	124	126	128	129	130	Diam. at 1.83m ht. [m]	34.7	36.0	36.9	37.8	38.4	39.0	39.3	39.6
#16 Nozzle [1/4"]									#16 Nozzle [6.35mm]								
Flow [gpm]	10.7	11.4	12.1	12.8	13.4	14.0	14.6	15.1	Flow [L/hr]	2430	2589	2748	2907	3043	3180	3316	3430
Diam. at 1.5' ht. [ft.]	111	117	120	123	126	129	131	133	Diam. at 0.46m ht. [m]	33.8	35.7	36.6	37.5	38.4	39.3	39.9	40.5
Diam. at 6.0' ht. [ft.]	122	126	129	131	134	136	137	138	Diam. at 1.83m ht. [m]	37.2	38.4	39.3	39.9	40.8	41.5	41.8	42.1
#18 Nozzle [9/32"]									#18 Nozzle [7.14mm]								
Flow [gpm]	13.3	14.2	15.0	15.9	16.6	17.4	18.1	18.8	Flow [L/hr]	3021	3225	3407	3611	3770	3952	4111	4270
Diam. at 1.5' ht. [ft.]	118	124	127	129	134	139	142	144	Diam. at 0.46m ht. [m]	36.0	37.8	38.7	39.3	40.8	42.4	43.3	43.9
Diam. at 6.0' ht. [ft.]	128	132	135	137	141	144	146	147	Diam. at 1.83m ht. [m]	39.0	40.2	41.1	41.8	43.0	43.9	44.5	44.8
#20 Nozzle [5/16"]									#20 Nozzle [7.94mm]								
Flow [gpm]	16.0	17.1	18.2	19.2	20.1	21.0	21.8	22.7	Flow [L/hr]	3634	3884	4134	4361	4565	4770	4951	5156
Diam. at 1.5' ht. [ft.]	124	130	134	137	142	146	150	153	Diam. at 0.46m ht. [m]	37.8	39.6	40.8	41.8	43.3	44.5	45.7	46.6
Diam. at 6.0' ht. [ft.]	133	137	140	143	147	151	154	155	Diam. at 1.83m ht. [m]	40.5	41.8	42.7	43.6	44.8	46.0	46.9	47.2
#22 Nozzle [1 1/32"]									#22 Nozzle [8.73mm]								
Flow [gpm]	19.3	20.5	21.8	22.9	24.1	25.1	26.1	27.1	Flow [L/hr]	4384	4656	4951	5201	5474	5701	5928	6155
Diam. at 1.5' ht. [ft.]	126	133	141	148	153	157	160	162	Diam. at 0.46m ht. [m]	38.4	40.5	43.0	45.1	46.6	47.9	48.8	49.4
Diam. at 6.0' ht. [ft.]	136	141	146	150	155	159	162	164	Diam. at 1.83m ht. [m]	41.5	43.0	44.5	45.7	47.2	48.5	49.4	50.0
#24 Nozzle [3/8"]									#24 Nozzle [9.53mm]								
Flow [gpm]	22.4	23.9	25.3	26.7	28.0	29.3	30.4	31.6	Flow [L/hr]	5088	5428	5746	6064	6359	6655	6905	7177
Diam. at 1.5' ht. [ft.]	130	138	145	151	156	160	166	169	Diam. at 0.46m ht. [m]	39.6	42.1	44.2	46.0	47.5	48.8	50.6	51.5
Diam. at 6.0' ht. [ft.]	138	145	150	155	160	164	167	170	Diam. at 1.83m ht. [m]	42.1	44.2	45.7	47.2	48.8	50.0	50.9	51.8

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. [2.6-4.7 m] above nozzle based on pressure and nozzle size. Minimum recommended riser height is 1.5 ft. [0.46 m].

7025RD-2

Sprinkler Base Pressure [psi]									[bar]								
	35	40	45	50	55	60	65	70		2.42	2.76	3.11	3.45	3.80	4.14	4.49	4.83
14x8 #14 Range Noz. [7/32"] x #8 Spreader Noz.- Lavender [1/8"]									14x8 #14 Range Noz. [5.56 mm] x #8 Spreader Noz.-Lavender [3.18mm]								
Flow [gpm]	10.7	11.4	12.1	12.7	13.3	13.9	14.5	15.1	Flow [L/hr]	2430	2589	2748	2884	3021	3157	3293	3430
Diam. at 1.5' ht. [ft.]	106	111	113	115	117	119	121	123	Diam. at 0.46m ht. [m]	32.3	33.8	34.4	35.1	35.7	36.3	36.9	37.5
Diam. at 6.0' ht. [ft.]	114	118	121	124	126	128	129	130	Diam. at 1.83m ht. [m]	34.7	36.0	36.9	37.8	38.4	39.0	39.3	39.6
16x8 #16 Range Noz. [1/4"] x #8 Spreader Noz.- Lavender [1/8"]									16x8 #16 Range Noz. [6.35 mm] x #8 Spreader Noz.-Lavender [3.18mm]								
Flow [gpm]	13.4	14.3	15.2	16.0	16.8	17.5	18.2	18.9	Flow [L/hr]	3043	3248	3452	3634	3816	3975	4134	4293
Diam. at 1.5' ht. [ft.]	111	117	120	123	126	129	131	133	Diam. at 0.46m ht. [m]	33.8	35.7	36.6	37.5	38.4	39.3	39.9	40.5
Diam. at 6.0' ht. [ft.]	122	126	129	131	134	136	137	138	Diam. at 1.83m ht. [m]	37.2	38.4	39.3	39.9	40.8	41.5	41.8	42.1
18x8 #18 Range Noz. [9/32"] x #8 Spreader Noz.- Lavender [1/8"]									18x8 #18 Range Noz. [7.14 mm] x #8 Spreader Noz.-Lavender [3.18mm]								
Flow [gpm]	15.9	17.0	18.0	19.0	19.9	20.8	21.6	22.5	Flow [L/hr]	3611	3861	4088	4315	4520	4724	4906	5110
Diam. at 1.5' ht. [ft.]	118	124	127	129	134	139	142	144	Diam. at 0.46m ht. [m]	36.0	37.8	38.7	39.3	40.8	42.4	43.3	43.9
Diam. at 6.0' ht. [ft.]	128	132	135	137	141	144	146	147	Diam. at 1.83m ht. [m]	39.0	40.2	41.1	41.8	43.0	43.9	44.5	44.8
18x10 #18 Range Noz. [9/32"] x #10 Spreader Noz.- Turquoise [5/32"]									18x10 #18 Range Noz. [7.14 mm] x #10 Spreader Noz.-Turquoise [3.97mm]								
Flow [gpm]	17.0	18.2	19.3	20.3	21.3	22.3	23.1	24.0	Flow [L/hr]	3861	4134	4384	4611	4838	5065	5247	5451
Diam. at 1.5' ht. [ft.]	118	124	127	129	134	139	142	144	Diam. at 0.46m ht. [m]	36.0	37.8	38.7	39.3	40.8	42.4	43.3	43.9
Diam. at 6.0' ht. [ft.]	128	132	135	137	141	144	146	147	Diam. at 1.83m ht. [m]	39.0	40.2	41.1	41.8	43.0	43.9	44.5	44.8
20x10 #20 Range Noz. [5/16"] x #10 Spreader Noz.- Turquoise [5/32"]									20x10 #20 Range Noz. [7.94 mm] x #10 Spreader Noz.- Turquoise [3.97mm]								
Flow [gpm]	19.6	20.9	22.2	23.4	24.6	25.7	26.7	27.7	Flow [L/hr]	4452	4747	5042	5315	5587	5837	6064	6291
Diam. at 1.5' ht. [ft.]	124	130	134	137	142	146	150	153	Diam. at 0.46m ht. [m]	37.8	39.6	40.8	41.8	43.3	44.5	45.7	46.6
Diam. at 6.0' ht. [ft.]	133	137	140	143	147	151	154	155	Diam. at 1.83m ht. [m]	40.5	41.8	42.7	43.6	44.8	46.0	46.9	47.2
20x12 #20 Range Noz. [5/16"] x #12 Spreader Noz.- Red [3/16"]									20x12 #20 Range Noz. [7.94 mm] x #12 Spreader Noz.-Red [4.76mm]								
Flow [gpm]	21.3	22.8	24.2	25.5	26.8	27.9	29.1	30.2	Flow [L/hr]	4838	5178	5496	5792	6087	6337	6609	6859
Diam. at 1.5' ht. [ft.]	124	130	134	137	142	146	150	153	Diam. at 0.46m ht. [m]	37.8	39.6	40.8	41.8	43.3	44.5	45.7	46.6
Diam. at 6.0' ht. [ft.]	133	137	140	143	147	151	154	155	Diam. at 1.83m ht. [m]	40.5	41.8	42.7	43.6	44.8	46.0	46.9	47.2
22x10 #22 Range Noz. [11/32"] x #10 Spreader Noz.- Turquoise [5/32"]									22x10 #22 Range Noz. [8.73 mm] x #10 Spreader-Noz.-Turquoise [3.97mm]								
Flow [gpm]	22.9	24.5	26.0	27.4	28.7	30.0	31.2	32.4	Flow [L/hr]	5201	5565	5905	6223	6518	6814	7086	7359
Diam. at 1.5' ht. [ft.]	126	133	141	148	153	157	160	162	Diam. at 0.46m ht. [m]	38.4	40.5	43.0	45.1	46.6	47.9	48.8	49.4
Diam. at 6.0' ht. [ft.]	136	141	146	150	155	159	162	164	Diam. at 1.83m ht. [m]	41.5	43.0	44.5	45.7	47.2	48.5	49.4	50.0
22x12 #22 Range Noz. [11/32"] x #12 Spreader Noz.- Red [3/16"]									22x12 #22 Range Noz. [8.73 mm] x #12 Spreader Noz.-Red [4.76mm]								
Flow [gpm]	24.6	26.3	27.9	29.4	30.9	33.6	32.3	34.8	Flow [L/hr]	5587	5973	6337	6677	7018	7631	7336	7904
Diam. at 1.5' ht. [ft.]	126	133	141	148	153	157	160	162	Diam. at 0.46m ht. [m]	38.4	40.5	43.0	45.1	46.6	47.9	48.8	49.4
Diam. at 6.0' ht. [ft.]	136	141	146	150	155	159	162	164	Diam. at 1.83m ht. [m]	41.5	43.0	44.5	45.7	47.2	48.5	49.4	50.0
24x12 #24 Range Noz. [3/8"] x #12 Spreader Noz.- Red [3/16"]									24x12 #24 Range Noz. [9.53 mm] x #12 Spreader Noz.-Red [4.76 mm]								
Flow [gpm]	27.6	29.5	31.3	33.0	34.6	36.2	37.6	39.1	Flow [L/hr]	6269	6700	7109	7495	7859	8222	8540	8881
Diam. at 1.5' ht. [ft.]	130	138	145	151	156	160	166	169	Diam. at 0.46m ht. [m]	39.6	42.1	44.2	46.0	47.5	48.8	50.6	51.5
Diam. at 6.0' ht. [ft.]	138	145	150	155	160	164	167	170	Diam. at 1.83m ht. [m]	42.1	44.2	45.7	47.2	48.8	50.0	50.9	51.8

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