



**1005M-DC  
Part Circle Dust Control Rain Gun Sprinkler**

- Dust control Rain Gun for industrial applications
- Part and full circle
- 3 in (80 mm) flange mount inlet
- 43° body trajectory
- Used with CS aluminium straight bore nozzles.
- 6 sizes available

**Applications:**

Used for controlling dust in open pit mines, quarries and storage applications

**Specifications:**

1005M-DC - Part circle and full circle  
 Bearing Size/Type - 3 in/80 mm Flange Mount, bolt circles diam. 130 mm/6 bolt holes  
 Body trajectory - 43°

**Materials:**

Body: Cast Aluminum  
 Arm: Cast Aluminum  
 Bearing Sleeve: Cast Iron  
 Flange Adapter: Cast Bronze  
 All Springs and Hardware: Stainless Steel  
 All Washers: Chemically resistant  
 Disk brake: Delrin™



1005M-DC

**1005M-DC (43°)/STRAIGHT BORE NOZZLES**

**U.S. UNITS**

PSI@ Elbow	Nozzle 0.790"				Nozzle 0.890"				Nozzle 0.990"				Nozzle 1.090"				Nozzle 1.190"				Nozzle 1.290"			
	Rad	V	Rv	GPM	Rad.	V	Rv	GPM	Rad.	V	Rv	GPM	Rad.	V	Rv	GPM	Rad.	V	Rv	GPM	Rad.	V	Rv	GPM
60	127	49	79	142	133	50	81	185	138	51	85	226	144	52	87	275	148	53	90	331	153	54	91	390
70	131	53	86	154	137	55	89	199	145	56	91	245	151	57	94	295	155	59	97	354	160	60	98	418
80	136	56	91	164	142	59	95	214	150	60	96	263	157	61	99	315	161	64	105	374	166	65	105	447
90	139	59	94	177	147	62	99	227	153	64	101	276	162	65	104	336	165	68	110	400	170	70	111	475
100	144	62	97	185	149	65	103	235	156	67	106	290	167	68	110	352	169	71	114	422	175	73	116	500
110	147	64	101	195	154	67	106	249	161	69	110	305	172	70	115	372	171	74	117	444	179	76	120	525
120	151	65	104	202	157	69	109	262	165	71	114	323	176	72	117	392	176	77	120	465	182	79	124	550

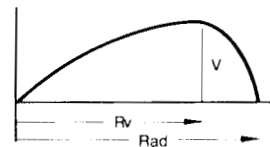
**METRIC UNITS**

B a r s	Nozzle 20,07 mm 0.790"					Nozzle 22,61 mm 0.890"					Nozzle 25,15 mm 0.990"					Nozzle 27,69 mm 1.090"				
	Rad. M	V M	Rv M	Flow M³/h	Flow L/s	Rad. M	V M	Rv M	Flow M³/h	Flow L/s	Rad. M	V M	Rv M	Flow M³/h	Flow L/s	Rad. M	V M	Rv M	Flow M³/h	Flow L/s
4.0	38,3	14,7	23,9	32,1	8,92	40,2	15,0	24,3	40,9	11,36	41,9	15,2	25,5	50,8	14,10	43,4	15,5	26,1	61,7	17,14
5.0	40,4	16,4	26,4	35,9	9,96	42,5	17,0	27,5	45,6	12,67	44,3	17,4	28,1	56,5	15,69	46,1	17,7	29,0	68,6	19,05
6.0	42,3	17,8	28,4	39,3	10,92	44,4	18,7	29,9	50,0	13,87	46,4	19,2	30,4	61,8	17,17	48,2	19,5	31,5	75,0	20,83
7.0	44,1	18,9	30,0	42,6	11,82	46,2	19,9	31,7	54,0	15,01	48,2	20,5	32,4	66,9	18,58	50,1	20,8	33,6	81,1	22,54
8.0	45,8	19,7	31,3	45,6	12,67	47,9	20,8	32,9	58,0	16,10	49,8	21,4	34,3	71,8	19,94	51,7	21,7	35,4	87,1	24,20

B a r s	Nozzle 30,23 mm 1.190"					Nozzle 32,77 mm 1.290"				
	Rad. M	V M	Rv M	Flow M³/h	Flow L/s	Rad. M	V M	Rv M	Flow M³/h	Flow L/s
4.0	44,9	15,8	26,8	73,8	20,51	46,2	16,1	27,2	87,1	24,20
5.0	47,7	18,3	30,3	81,9	22,75	49,4	18,7	30,5	96,5	26,80
6.0	50,1	20,3	33,0	89,5	24,86	51,9	20,8	33,3	105,4	29,26
7.0	52,0	21,9	35,0	96,8	26,89	55,4	23,7	37,4	122,5	34,03
8.0	53,5	23,1	36,3	104,0	28,89	55,4	23,7	37,4	122,5	34,03

1005M-DC performance charts include in addition to flow and radius data, stream height data (see legend).



**LEGEND**

Rad = Radius of throw  
 V = Maximum stream height above nozzle  
 Rv = Distance from sprinkler to maximum stream height

NOTE: Radius of throw can vary significantly in windy conditions.

1 bar = approx. 100 kPa.

GENERAL NOTE: Performance data are obtained under ideal test conditions and may be adversely affected by wind, hydraulic conditions, and other factors.

GUNS