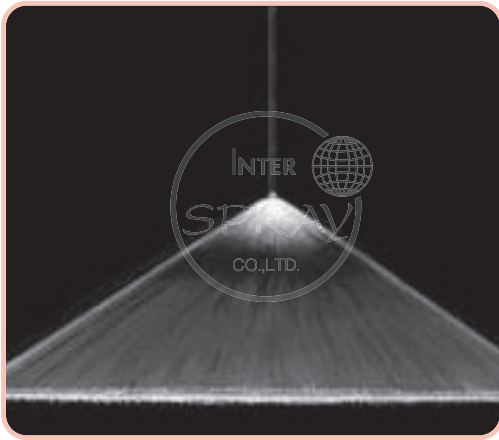


### Wide Spray Angle

### Flat spray pattern



### Features

FW series Wide angle flat spray pattern with medium droplet size, lower impact force unobstructed flow passages minimize clogging

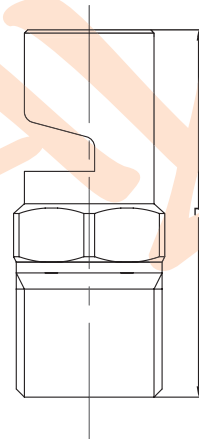
### Application

- Water curtain
- Fire protection
- Foam knockdown
- Waste water treatment
- Conveyer belts cleaning,
- Cooling roof, tank.



### Dimensions & Weights

Model	Pipe Size	Length (mm)	Hex. (mm)
FW	1/8	25.4	11.1
	1/4	30.9	14.3
	3/8	44.5	17.5
	1/2	51	22.2
	3/4	65.1	38.1
	1	92.1	47.6



### Specifications / Air and Steam

Model	Spray Code	Air capacity (l/min)				Steam capacity (L/min)				The coverage of 150mm	
		0.7bar	1.5bar	3bar	3.5bar	0.7bar	1.5bar	3bar	3.5bar	0.7bar	1.5bar
FW series	061	4.5	6.4	10.5	11.6	0.16	0.23	0.37	0.41	51	127
	071	6.2	9.1	14.7	16.7	0.23	0.33	0.53	0.66	64	140
	084	9.6	13.7	22	25	0.34	0.49	0.80	0.90	76	152
	104	15.3	22	36	40	0.54	0.78	1.3	1.5	89	165
	117	19.3	28	45	51	0.68	1.0	1.6	1.8	102	190
	132	27	37	60	71	0.95	1.3	2.1	2.5	102	190
	145	31	47	77	85	1.1	1.7	2.7	3.0	127	203
	165	40	57	85	108	1.4	2.0	3.1	3.9	127	228
	185	54	76	124	139	1.9	2.7	4.5	5.0	152	267
	231	79	117	189	210	2.9	4.2	6.8	7.6	152	267
	264	110	159	255	290	3.9	5.7	9.2	10.4	178	279
	328	181	260	420	475	6.5	9.3	15.0	17.1	178	305
	376	225	325	520	590	8.0	11.6	18.8	21	216	368
	457	320	465	760	850	11.6	16.8	27	30	216	394

Wide Spray Angle

Flat spray pattern

Specification / Liquid

Model	Spray Code	Nozzle Inlet Conn. NPT or BSPT						Spray Capacity (l/min)								Spray Angle (°)						
		1/8	1/4	3/8	1/2	3/4	1	0.2 bar	0.3 bar	0.5 bar	0.7 bar	1 bar	1.5 bar	2 bar	3 bar	4 bar	0.5 bar	1.5 bar	4 bar			
		FW series																				
041	/										0.11	0.14	0.16	0.20	0.23		83	117				
061	/										0.23	0.28	0.32	0.39	0.46		89	122				
071	/										0.29	0.34	0.42	0.48	0.59	0.68		106	125			
084	/										0.38	0.46	0.56	0.64	0.79	0.91		109	128			
10	/										0.48	0.57	0.68	0.84	0.97	1.2	1.4	73	108	125		
12	/	/									0.64	0.76	0.91	1.1	1.3	1.6	1.8	83	113	129		
13	/	/									0.62	0.81	0.95	1.1	1.4	1.6	2.0	2.3	98	122	133	
14	/	/									0.75	0.97	1.1	1.4	1.7	1.9	2.4	2.7	86	112	126	
17	/										1.0	1.3	1.5	1.8	2.2	2.6	3.2	3.6	97	123	132	
19	/	/									1.0	1.2	1.6	1.9	2.3	2.8	3.2	3.9	4.6	114	128	142
23	/	/									1.5	1.9	2.4	2.9	3.4	4.2	4.8	5.9	6.8	101	119	134
26	/	/									2.0	2.5	3.2	3.8	4.6	5.6	6.4	7.9	9.1	115	133	145
29	/	/									2.4	3.0	3.9	4.6	5.5	6.7	7.7	9.5	10.9	128	139	153
33	/	/									3.1	3.7	4.8	5.7	6.8	8.4	9.7	11.8	13.7	98	113	123
36	/	/									3.7	4.5	5.8	6.9	8.2	10.0	11.6	14.2	16.4	106	120	131
38	/	/									4.1	5.0	6.4	7.6	9.1	11.2	12.9	15.8	18.2	110	122	133
40	/	/									4.5	5.5	7.1	8.4	10.0	12.3	14.2	17.4	20	113	125	136
41	/	/									4.9	6.0	7.7	9.2	10.9	13.4	15.5	18.9	22	115	131	144
44	/	/									5.5	6.7	8.7	10.3	12.3	15.1	17.4	21	25	119	135	148
46		/									6.1	7.5	9.7	11.4	13.7	16.7	19.3	24	27	100	110	121
50		/									7.1	8.7	11.3	13.3	16.0	19.5	23	28	32	105	118	128
53		/	/								8.2	10.0	12.9	15.3	18.2	22	26	32	36	111	126	136
56		/	/								9.2	11.2	14.5	17.2	21	25	29	36	41	115	130	140
60		/	/								10.2	12.5	16.1	19.1	23	28	32	39	46	117	131	140
65		/	/								12.2	15.0	19.3	23	27	33	39	47	55	120	134	142
71		/	/								14.3	17.5	23	27	32	39	45	55	64	123	137	146
75		/	/								16.3	20	26	31	36	45	52	63	73	127	138	149
80			/								18.3	22	29	34	41	50	58	71	82	120	133	140
84			/								20	25	32	38	46	56	64	79	91	123	136	145
88			/								22	27	35	42	50	61	71	87	100	125	138	148
93			/								24	30	39	46	55	67	77	95	109	129	143	150
103			/								29	35	45	53	64	78	90	111	128	118	127	135
111			/								33	40	52	61	73	89	103	126	146	121	130	137
115			/								37	45	58	69	82	100	116	142	164	124	133	139
123			/								43	52	68	80	96	117	135	166	191	128	139	145
147				/							61	75	97	114	137	167	193	235	275	110	128	135
179				/							92	112	145	172	205	250	290	355	410	118	132	138

**How to order** Please order for a specific nozzle on this coding system

(Example)

**1/8M**

Pipe Size

**FW**

Model

**084**

Spray Code

**S316**

Material

\*Material Available:  
Stainless Steel: S316  
Brass, PVC-Poly,  
PP-Poly propylene