

## SJV Series Solid Jet Full Cone Nozzles



**SJV**  
( male thread)



**SJV**  
( female thread)

SJV Series Solid Jet Full Cone Nozzles have the following features:

- Assembled or combined nozzle suit by cap, body and spray tip
- SJV Series Solid Jet Full Cone Nozzles spray pattern with round impact area
- Unique vane design ensures uniform spray distribution
- Spray angles: 30° to 120°
- Connections: 1/8" to 2" (male and female NPT and BSPT)
- Operating pressure range: up to 400 psi (25 bar)
- General Application :

Cooling

Dust suppression

Fire Protection

Chemical Injection

Washing or cleaning

Performance Data

BSPT Inlet connector NPT or BSPT	The Flow code	Rated orifice Dia (mm)	Max expedite Dia (mm)	Flow rate(L/min)										Spray angle		
				0.5 bar	0.7 bar	1.5 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar	0.5 bar	1.5 bar	6 bar
1/8	1	0.79	0.64		0.38	0.54	0.62	0.74	0.85	0.94	1.0	1.1	1.3		58°	53°
	1.5	1.2	0.64	0.49	0.57	0.81	0.93	1.1	1.3	1.4	1.5	1.7	1.9	52°	65°	59°
	2	1.2	1.0	0.65	0.76	1.1	1.2	1.5	1.7	1.9	2.0	2.2	2.6	43°	50°	46°
	3	1.5	1.0	0.98	1.1	1.6	1.9	2.2	2.5	2.8	3.1	3.3	3.9	52°	65°	59°
	3.5	1.6	1.3	1.1	1.3	1.9	2.2	2.6	3.0	3.3	3.6	3.9	4.5	43°	50°	46°
	3.9	2.0	1.0	1.3	1.5	2.1	2.4	2.9	3.3	3.7	4.0	4.3	5.1	77°	84°	79°
	5	2.0	1.3	1.6	1.9	2.7	3.1	3.7	4.2	4.7	5.1	5.5	6.5	52°	65°	59°
1/4	6.1	2.3	1.3	2.0	2.3	3.3	3.8	4.5	5.2	5.7	6.2	6.7	7.9	69°	74°	68°
	6.5	2.38	1.6	2.1	2.5	3.5	4.0	4.8	5.5	6.1	6.7	7.1	8.4	45°	50°	46°
	10	3.18	1.6	3.3	3.8	5.4	6.2	7.4	8.5	9.4	10.2	11.0	13.0	58°	67°	61°
3/8	12.5	3.2	1.6	4.1	4.8	6.8	7.7	9.3	10.6	11.8	12.8	13.7	16.2	69°	74°	68°
	9.5	2.6	2.4	3.1	3.6	5.1	5.9	7.1	8.1	8.9	9.7	10.4	12.3	45°	50°	46°
	15	3.6	2.4	4.9	5.7	8.1	9.3	11.2	12.7	14.1	15.4	16.5	19.4	64°	67°	61°
	20	4.0	2.8	6.5	7.6	10.8	12.4	14.9	17.0	18.8	20	22	26	76°	80°	73°
1/2	22	4.5	2.8	7.2	8.4	11.9	13.6	16.4	18.7	21	23	24	28	87°	90°	82°
	16	3.5	3.2	5.2	6.1	8.7	9.9	11.9	13.6	15.1	16.4	17.6	21	48°	50°	46°
	25	4.6	3.2	8.2	9.5	13.5	15.4	18.6	21	24	26	27	32	64°	67°	61°
	32	5.2	3.6	10.4	12.2	17.3	19.8	24	27	30	33	35	41	72°	75°	68°
	40	6.2	3.6	13.1	15.2	22	25	30	34	38	41	44	52	88°	91°	83°
3/4	50	6.7	4.0	16.3	19.1	27	31	37	42	47	51	55	65	91°	94°	86°
	2.5	4.9	4.4	9.6	11.2	15.9	18.2	22	25	28	30	32	38	48°	50°	46°
	4	6.4	4.4	15.4	18.0	26	29	35	40	44	48	52	61	67°	70°	63°
1	7	9.5	5.2	27	31	45	51	61	70	78	84	91	107	89°	92°	84°
	4.2	6.0	5.6	16.2	18.9	27	31	37	42	47	51	54	64	48°	50°	46°
	7	8.3	5.6	27	31	45	51	61	70	78	84	91	107	67°	68°	62°
	8	9.5	5.6	31	36	51	58	70	80	89	97	104	122	72°	81°	82°
1-1/4	10	11.9	5.6	38	45	64	73	88	100	111	121	130	153	78°	90°	94°
	12	11.9	6.4	46	54	77	87	105	120	133	145	155	183	89°	92°	84°
	6	7.4	6.4	23	27	38	44	53	60	67	72	78	92	48°	50°	44°
	10	9.6	6.4	38	45	64	73	88	100	111	121	130	153	64°	67°	58°
	12	10.7	6.4	46	54	77	87	105	120	133	145	155	183	66°	70°	60°
1-1/2	14	12.3	6.4	54	63	89	102	123	140	155	169	181	215	77°	80°	70°
	20	15.1	7.9	77	90	128	146	175	200	220	240	260	305	90°	93°	81°
	10	9.5	8.7	38	45	64	73	88	100	111	121	130	153	48°	50°	44°
	16	12.7	8.7	62	72	102	116	140	160	178	193	210	245	72°	74°	64°
	20	14.3	8.7	77	90	128	146	175	200	220	240	260	305	74°	76°	66°
2	30	18.3	10.3	115	135	191	220	265	300	330	360	390	460	91°	94°	82°
	17	12.7	11.1	65	76	108	124	149	170	189	205	220	260	49°	50°	44°
	30	17.3	11.1	115	135	191	220	265	300	330	360	390	460	72°	74°	64°
	35	19.2	11.1	135	157	225	255	310	350	390	425	455	540	75°	77°	68°
	40	21.0	11.1	154	180	255	295	350	400	445	485	520	610	78°	80°	70°
	50	23.8	14.3	192	225	320	365	440	500	560	610	650	770	83°	85°	75°
	60	28.6	14.3	230	270	385	440	530	600	670	730	780	920	98°	100°	86°