

SJV Three-piece Full Cone Flat Fan Spray Nozzle



SJVC spray tip



SJVW
Wide angle spray tip



SJVB
Full cone spray tip



SJVA
Hollow cone spray tip



Design features

High pressure, High impact solid stream or flat fan spray pattern with spray angles of 0° to 110°.

Spray pattern with uniform distribution, Small-to medium sized drops. Specially uniform distribution with spray area is ideal for use in manifold and header applications.

All SJVC nozzle are finish machining. It can provide the accurate flow and spray angle.

SJVW provide wide angle flat fan atomization, SJVB provide standard solid cone atomization and SJVA provide taper atomization.



MG
Tip retainer



GLQ
Screen strainer



SJVE
MALE body



SJVL
Female body

common application

- Low pressure washing
- Chemotherapy coating
- Metal cleaning and precessing
- Spray coating
- Degreasing and rinsing
- Parts washing /cleaning
- Spray cooling
- Pressure cleaning
- Sand,coal ,gravel washing

Nozzle body

Nozzl and gasket's material consist of brass ,303SS and 316SS.The inlet connection thread (NPT or BSPT) size is 1/8" , 1/4" , 3/8" and 1/2" (Male or female)

Inlet Conn. NPT or BSPT	Nozzle parts order NO.		Material
	(female)	(male)	
1/8	1/8QJ	1/8QJJ	Brass
	1/8QJ-SS	1/8-QJJ-SS	ss
1/4	1/4QJ	1/4QJJ	Brass
	1/4QJ-SS	1/4QJJ-SS	ss
3/8	3/8QJ	3/8QJJ	Brass
	3/8QJ-SS	3/8QJJ-SS	ss
1/2	1/2QJ	1/2QJJ	Brass
	1/2QJ-SS	1/2QJJ-SS	ss

Strainer information

The choice for the orifice of the strainer	
Equivalent spray orifice	Suggested size of steel strainer's orifice
less than 0.46mm	200
47mm -0.79mm	100
0.8mm or larger	50

ordering info

SJVE	+	SJVC	-	11001	-	SS		SJVE	+	GLQ	+	SJVC	+	11001	-	SS
Thread body		Nozzle type		Capacity size		Material code		Thread body		Strainer		Nozzle type		Capacity size		Material code
SJVE	+	GLQ	+	SJVW	+	11005	-	SS								
Thread body		Strainer		Wide angle spray tip		Capacity size		Material code								

Performance data

Spray angle (3 bar)	Capacity Size	Equivalent orifice(mm)	Capacity (L/min)														Spray angle			
			0.3bar	1bar	2bar	3bar	4bar	5bar	6bar	7bar	10bar	20bar	35bar	1.5bar	3bar	6bar	14bar			
110°	11001	0.66	0.12	0.23	0.32	0.39	0.46	0.51	0.56	0.60	0.72	1.0	1.3	94°	110°	121°	124°			
	110015	0.79	0.19	0.34	0.48	0.59	0.68	0.76	0.84	0.90	1.1	1.5	2.0	97°	110°	121°	124°			
	11002	0.91	0.25	0.46	0.64	0.79	0.91	1.0	1.1	1.2	1.4	2.0	2.7	98°	110°	120°	123°			
	11003	1.1	0.37	0.68	0.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	99°	110°	120°	123°			
	11004	1.3	0.50	0.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	100°	110°	119°	122°			
	11005	1.4	0.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	100°	110°	118°	122°			
	11006	1.6	0.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	101°	110°	117°	122°			
	11008	1.8	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	102°	110°	117°	121°			
	11010	2.0	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	103°	110°	117°	119°			
	11015	2.4	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	104°	110°	117°	118°			
	11020	2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	105°	110°	117°	118°			
	11030	3.6	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	105°	110°	117°	118°			
95°	01	0.66	0.12	0.23	0.32	0.39	0.46	0.51	0.56	0.60	0.72	1.0	1.3	81°	95°	105	113			
	015	0.79	0.19	0.34	0.48	0.59	0.68	0.76	0.84	0.90	1.1	1.5	2.0	82°	95°	105	113			
	02	0.91	0.25	0.46	0.64	0.79	0.91	1.0	1.1	1.2	1.4	2.0	2.7	82°	95°	105	113			
	03	1.1	0.37	0.68	0.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	83°	95°	104	111			
	04	1.3	0.50	0.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	84°	95°	103	108			
	05	1.4	0.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	84°	95°	101	107			
	06	1.6	0.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	86°	95°	100	106			
	08	1.8	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	87°	95°	100	105			
	10	2.0	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	89°	95°	100	105			
	15	2.4	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	90°	95°	100	100			
	20	2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	90°	95°	95	105			
	30	3.6	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	91°	95°	95	105			
	40	4.0	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54	92°	95°	95	105			
80°	50	4.4	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68	93°	95°	95	103			
	60	4.8	7.5	13.7	19.3	24	27	31	33	36	43	61	81	93°	95°	95	103			
	70	5.2	8.7	16.0	23	28	32	36	38	42	50	71	94	93°	95°	95	103			
	000090	0.20	0.01	0.02	0.03	0.035	0.04	0.045	0.05	0.06	0.07	0.09	0.12	0° solid stream						
	000012	0.25	0.02	0.03	0.04	0.05	0.055	0.06	0.067	0.08	0.09	0.12	0.16							
	000019	0.30	0.02	0.04	0.06	0.08	0.09	0.10	0.11	0.12	0.14	0.19	0.26							
	000021	0.34	0.03	0.05	0.07	0.08	0.10	0.11	0.12	0.13	0.15	0.21	0.28							
	000050	0.51	0.06	0.11	0.16	0.20	0.23	0.25	0.28	0.30	0.36	0.51	0.67							
	000067	0.58	0.08	0.15	0.22	0.26	0.31	0.34	0.37	0.40	0.48	0.68	0.90							
	0001	0.71	0.12	0.23	0.32	0.39	0.46	0.51	0.56	0.60	0.72	1.0	1.3							
	00015	0.84	0.19	0.34	0.48	0.59	0.68	0.76	0.84	0.90	1.1	1.5	2.0							
	0002	0.99	0.25	0.46	0.64	0.79	0.91	1.0	1.1	1.2	1.4	2.0	2.7							
	0003	1.2	0.37	0.68	0.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0							
0004	1.4	0.50	0.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4								
0005	1.5	0.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7								
0006	1.7	0.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1								
0008	2.0	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8								
0010	2.2	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5								
0015	2.7	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20								
0020	3.2	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27								
0030	3.6	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40								
0040	4.0	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54								

Wide angle fan cone performance data

Nozzle Inlet Conn. NPT or BSP (male)		Capacity Size	Rated Orifice Dia. (mm)	Capacity (L/min)										Spray angle		
1 / 8	1 / 4			0.2bar	0.3bar	0.5bar	0.7bar	1bar	1.5bar	2bar	3bar	4bar	0.5bar	1.5bar	4bar	
●		0.25	0.41					0.11	0.14	0.16	0.20	0.23		83°	117°	
●		0.50	0.61					0.23	0.28	0.32	0.39	0.46		89°	122°	
●		0.75	0.71				0.29	0.34	0.42	0.48	0.59	0.68		106°	125°	
●		1	0.84				0.38	0.46	0.56	0.64	0.79	0.91		109°	128°	
●	1.5	1.0			0.48	0.57	0.68	0.84	0.97	1.2	1.4	73°	108°	125°		
●	●	2	1.2			0.64	0.76	0.91	1.1	1.3	1.6	1.8	83°	113°	129°	
●	●	2.5	1.3		0.62	0.81	0.95	1.1	1.4	1.6	2.0	2.3	98°	122°	133°	
●	●	3	1.4		0.75	0.97	1.1	1.4	1.7	1.9	2.4	2.7	86°	112°	126°	
●		4	1.7		1.0	1.3	1.5	1.8	2.2	2.6	3.2	3.6	97°	123°	132°	
●	●	5	1.9	1.0	1.2	1.6	1.9	2.3	2.8	3.2	3.9	4.6	114°	128°	142°	
●	●	7.5	2.3	1.5	1.9	2.4	2.9	3.4	4.2	4.8	5.9	6.8	101°	119°	134°	
●	●	10	2.6	2.0	2.5	3.2	3.8	4.6	5.6	6.7	7.9	9.1	115°	133°	145°	
●	●	12	2.9	2.4	3.0	3.9	4.6	5.5	6.7	7.7	9.5	10.9	128°	139°	153°	
●	●	15	3.3	3.1	3.7	4.8	5.7	6.8	8.4	9.7	11.8	13.7	98°	113°	123°	
●	●	18	3.6	3.7	4.5	5.8	6.9	8.2	10.0	11.6	14.2	16.4	106°	120°	131°	
●		20	3.8	4.1	5.0	6.4	7.6	9.1	11.2	12.9	15.8	18.2	110°	122°	133°	
	●	22	4.0	4.5	5.5	7.1	8.4	10.0	12.3	14.2	17.4	20	113°	125°	136°	
	●	24	4.1	4.9	6.0	7.7	9.2	10.9	13.4	15.5	18.9	22	115°	131°	144°	
	●	27	4.4	5.5	6.7	8.7	10.3	12.3	15.1	17.4	21	25	119°	135°	148°	