

SPJT series full cone/hollow cone spiral nozzles



DESIGN FEATURES

This type SPJT is a full cone spray nozzle available for spray angles ranging from 60° to 170°.

These compact nozzles permit maximum liquid throughput for a given pipe size and the free passage design minimizes clogging.

The compact size can be installed or retrofitted on most pipe systems. Available in NPT or BSPT (M) threads.

Flow capacity at 3bar (40psi) ranges from 1.4 to 1050 gpm (5.5 to 4140 l/min).

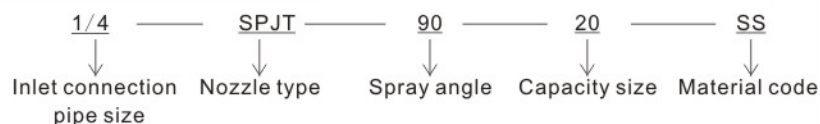
Sizes 1/4" to 2" are available in brass, cast 316SS and TEFLON or PVC materials.

Brass version is available with hex. design, Stainless steel with flats.

TEFLON and PVC nozzles with rounded design. In the large 3" and 4" sizes, both brass and stainless steel are available in flats design only.

They can also be produced from a wide variety of other materials for specific applications.

ORDERING INFORMATION



COMMON APPLICATIONS

- Exhaust gas filtration
- Washing and rinsing
- Gas cooling
- Fireproofing and fire extinguishment

PERFORMANCE DATA

Pipe size NPT or BSPT(M)	Spray angle at 0.7 bar					Capacity size	Orifice Diam. Mm	Free Passage Diam. Mm	Capacity (liters per minute)				
	60°	90°	120°	150°	170°				0.7bar	1.5bar	3bar	7bar	25bar**
1/4	●	●	●	●	●	07	2.4	2.4	2.6	3.9	5.5	8.4	16
	●	●	●	●	●	13	3.2	3.2	4.9	7.3	10.3	15.7	30
	●	●	●	●	●	20	4.0	3.2	7.6	11.2	15.8	24	46
3/8	●	●	●	●	●	07	2.4	2.4	2.6	3.9	5.5	8.4	16
	●	●	●	●	●	13	3.2	3.2	4.9	7.3	10.3	15.7	30
	●	●	●	●	●	20	4	3.2	7.6	11.2	15.8	24	46
	●	●	●	●	●	30	4.8	3.2	11.4	16.7	24	36	68
	●	●	●	●	●	40	5.6	3.2	15.1	22	32	48	91
	●	●	●	●	●	53	6.4	3.2	20	30	42	64	121
	●	●	●	●	●	82	7.9	3.2	31	46	65	99	187
1/2	●	●	●	●	●	120	9.5	4.8	45	67	95	145	270
	●	●	●	●	●	164	11.1	4.8	62	92	129	198	370
3/4	●	●	●	●	●	210	12.7	4.8	80	117	166	255	480
1	●	●	●	●	●	340	15.9	6.4	130	190	270	410	775
	●	●	●	●	●	470	19.1	6.4	179	260	370	565	1070
1 1/2	●	●	●	●	●	640	22.2	7.9	245	355	505	770	1460
	●	●	●	●	●	820	25.4	7.9	310	455	645	990	1870
	●	●	●	●	●	960	28.6	7.9	365	535	755	1160	2190
2	●	●	●	●	●	1400	34.9	11.1	535	780	1105	1690	3190
	●	●	●	●	●	1780	38.1	11.1	680	995	1405	2150	4060
3	●	●	●	●	●	2560	44.5	14.3	980	1430	2020	3090	5830
	●	●	●	●	●	3360	50.8	14.3	1280	1880	2650	4050	7660
4	●	●	●	●	●	5250	63.5	15.9	2000	2930	4140	6330	11960

Remark
Brass
SS-Stainless steel
316SS-316 stainless steel
TEF-TEFLON poly tetra fluoro ethylene
PP-Poly propylene

**At higher pressure, brass and cast 316SS nozzles are required.