

Hollow Cone, Full Cone Spiral Nozzle

Design features

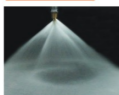
SPJT Nozzle is hollow/full cone with spraying angle from 60° to 170°. Under 3 Bar pressure, the flowing rate of liquid is 5.5-4140 L/min.

It has an expedite flow channel design, which can decrease liquid barrier formax. capacity with certain size. Rotary spray nozzle can be installed or updated in lots of pipe system.

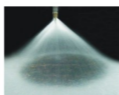
NPT/BSPT (male) Thread are provided. The common 1/4"-2" nozzles are made of brass, SS316, Teflon or PVC. Other selective materials can be used for special application.



Spraying shapes



Full cone



Hollow cone

common application

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

Performance data

pipe connection NPT or BSPT (out)	Spray angle (0.7bar)					Capacity Size	orifice size (mm)	Diameter of nozzle without block(mm)	Capacity (L/min)				
	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	4.0	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
1/2	●	●	●	●	●	53	6.4	3.2	20	30	42	64	121
	●	●	●	●	●	82	7.9	3.2	31	46	65	99	187
	●	●	●	●	●	120	9.5	4.8	45	67	95	145	270
3/4	●	●	●	●	●	164	11.1	4.8	62	92	129	198	370
	●	●	●	●	●	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
	●	●	●	●	●	1400	34.9	11.1	535	780	1105	1690	3190
2	●	●	●	●	●	1780	38.1	11.1	680	995	1405	2150	4060
	●	●	●	●	●	2560	44.5	14.3	980	1430	2020	3090	5830
3	●	●	●	●	●	3360	50.8	14.3	1280	1880	2650	4050	7660
	●	●	●	●	●	5250	63.5	15.9	2000	2930	4140	6330	11960

** Brass or SS316 for higher pressure.

ordering info

1/4 SPJT—SS 120 07

↓ Inlet size ↓ Nozzle type ↓ Material code ↓ Spray angle ↓ Capacity size

Remark:

BRASS
SS-stainless steel
316SS-316 stainless steel
TEF-TEFLON Poly Tetra Fluoro Ethylene
PP-Poly propylene

SIZE

Nozzle Inlet Conn.	Nozzle length (mm)	Spray angle
1/4	53.9	60°, 150° and 170°
1/4	47.6	90° and 120°
3/8	60.3	60°, 150° and 170°
3/8	47.6	90° and 120°
1/2	79.4	60°, 150° and 170°
1/2	63.5	90° and 120°
3/4	87.3	60°, 150° and 170°
3/4	69.9	90° and 120°
1	116	60°, 150° and 170°
1	92.1	90° and 120°
1 1/2	171	60°, 150° and 170°
1 1/2	111	90° and 120°
2	175	60° and 170°
3	302	60°
3	203	90° and 120°
4	229	60°, 90° and 120°

accessories



Adjustable connection

