

Corkscrew Ceramic Spiral Spray Nozzles



SPJT

Performance Data

Thread size NPT or BSPT	Spray angle (at 0.7 bar)					Flow code	Spray hole Dia.(mm)	Free flowing Dia.(mm)	Flow rate(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
	●	●	●	●	●	53	6.4	3.2	20	30	42	64	121
1/2	●	●	●	●	●	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
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

Corkscrew Ceramic Spiral Spray Nozzles have the following features:

- Corkscrew Ceramic Spiral Spray Nozzles have limited Ceramic mould No. They can also be produced in any item No. by machining process.
- Ceramic material is abrasion resistant
- The spiral nozzle, sometimes called helix, pigtail, or corkscrew, disperses liquid as it shears along the turns of the spiral. There are no internal parts, but instead it has an external spiral vane.
- These are one-piece nozzles with no internal vane and a wider free passage
- Spray angles: 120° for mould. Other spray angles can be manufactured by machining method
- Operating pressure range: up to 400 psi (25 bar)
- Largest free passage in spiral design makes them virtually clog-free and produces a wider spray coverage than other nozzles for a given flow and pressure.
- General Application :
Scrubbing tower or washing tower
Gas cooling
Dust suppression
Fire fighting or fire control