

FULL CONE SPRAY NOZZLES (STANDARD AND EXTRA LARGE FREE PASSAGE SPRAY)



■ FEATURES AND BENEFITS

- Solid cone spray pattern, spray round, have 2-3 sprayed layers.
- Maximum liquid throughput for a given pipe size.
- Unique spiral design allows to minimize clogging, especial for NPHSJX type.
- Spray angle 60 ° - 170 ° optional flow from 2.7 l / min to 11,967 l / min Optional.

【 NPHSJ 】



Threaded/hex
Brass or 316 Stainless Steel
1/4" to 2" NPT or BSPT (M)

【 NPHSJ 】



Threaded/flats
Cast 316 Stainless Steel
1/4" to 4" NPT or BSPT (M)

【 NPHSJ 】



Threaded/round
PVC or PTFE
1/4" to 4" NPT or BSPT (M)

【 NPHSJX 】



Threaded/hex Brass
3/8" to 2" NPT or BSPT (M)

【 NPHSJX 】



Threaded/flats
Cast 316 Stainless Steel
3/8" to 2" NPT or BSPT (M)

【 NPHSJX 】



Threaded/round
PVC or Polypropylene
3/8" to 2" NPT or BSPT (M)

■ TYPICAL APPLICATION

- | | | |
|---------------------------------|---------------------|----------------|
| • Chemical processing | • Gas conditioning | • Dust control |
| • Fire suppression / Prevention | • Washing / Rinsing | • Cooling |

FULL CONE SPRAY NOZZLES (STANDARD AND EXTRA LARGE FREE PASSAGE SPRAY)

■ PERFORMANCE DATA

NPHSJ

*At the stated pressure in bar.

Inlet Conn. (in.)	Spray Angle at 0.7 bar(°)					Capacity Size	Orifice Dia Nom. (mm)	Max. Free Passage Dia. (mm)	Capacity (liters per minute)*				
	60	90	120	150	170				0.7	1.5	3	7	25
1/4	•	•	•			07	2.4	2.4	2.6	3.8	5.4	8.3	15.9
	•	•	•	•	•	13	3.2	3.2	4.9	7.2	10.2	15.6	29.9
	•	•	•	•	•	20	4.0	3.2	7.5	11.1	15.7	23.9	45.9
3/8	•					07	2.4	2.4	2.6	3.8	5.4	8.3	15.9
	•					13	3.2	3.2	4.9	7.2	10.2	15.6	29.9
	•					20	4.0	3.2	7.5	11.1	15.7	23.9	45.9
	•	•	•	•	•	30	4.8	3.2	11.3	16.7	23.9	35.9	67.9
	•	•	•	•	•	40	5.6	3.2	15.2	21.9	31.9	47.9	90.9
	•	•	•	•	•	53	6.4	3.2	19.9	29.9	41.9	63.9	120
	•	•	•	•	•	82	7.9	3.2	30.9	45.9	64.9	98.9	186
1/2	•	•	•	•	•	120	9.5	4.8	45.9	66.9	94.9	144	273
	•	•	•	•	•	164	11.1	4.8	62.9	91.9	128	197	373
					•	210	12.7	4.8	79.9	116	165	252	478
3/4	•	•	•	•	•	210	12.7	4.8	79.9	116	165	252	478
1	•	•	•	•	•	340	15.9	6.4	129	189	267	409	774
	•	•	•	•	•	470	19.1	6.4	178	261	370	566	1070
1-1/2	•	•	•	•	•	640	22.2	7.9	243	356	504	771	1458
	•	•	•	•	•	820	25.4	7.9	312	457	646	988	1868
	•	•	•	•	•	960	28.6	7.9	365	535	757	1157	2187
2	•	•	•	•	•	1400	34.9	11.1	533	781	1104	1688	3190
	•	•	•	•	•	1780	38.1	11.1	678	993	1405	2146	4056
3	•	•	•			2560	44.5	14.3	975	1428	2020	3087	5834
	•	•	•			3360	50.8	14.3	1281	1875	2652	4052	7658
4	•	•	•			5250	63.5	15.9	2001	2930	4144	6331	11966

NPHSJX

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STANDARD FULL
CONE NOZZLES