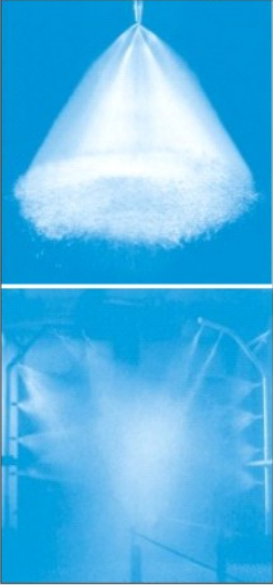


## FSJ flange-type cone spiral nozzles

### PATTERN



### ACCESSORIES

#### Adjustable Ball Fittings



### SIZE

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

### DESIGN FEATURES

These large capacity nozzles are size efficient...for maximum throughput for a given pipe size and the large free passage resists clogging.

Flow capacities at 0.7bar (10psi) range from 535l/min to 2000l/min

These full cone nozzles are available with 2", 3" and 4" flange mountings and spray angles from 60° to 170°.

They are designed with precision impact blade angles that distribute the spray droplets for excellent coverage.

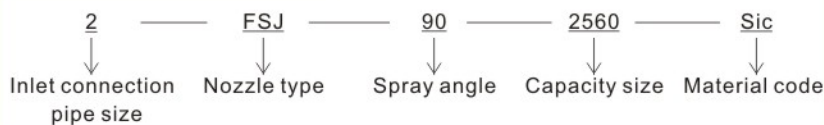
The flange-type nozzles can be customized for your installation and are available in several abrasion-resistant materials.



HSJ

Connection size	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
Flange 2"	●	●	●	●	●	1400	34.9	11.1	535	780	1105	1690	3190
	●	●	●	●	●	1780	38.1	11.1	680	995	1405	2150	4060
Flange 3"	●	●	●	●	●	2560	44.5	14.3	980	1430	2020	3090	5830
	●	●	●	●	●	3360	50.8	14.3	1280	1880	2650	4050	7660
Flange 4"	●	●	●	●	●	5250	63.5	15.9	2000	2930	4140	6330	11960

### ORDERING INFORMATION



### COMMON APPLICATIONS

- Flue gas desulphurization
- Dust suppression
- Gas cooling