CJW & GCJW Series - Full Cone Nozzle

CJW Nozzle

GCJW Nozzle

Nozzle Features

CJW & GCJW wide series spray nozzles feature a full cone spray pattern with a round impact area and produce uniform distribution of medium to large sized drops over a wide range of flow rate pressures.

With the uniform spray distribution resulting from a unique vane design, the nozzle provides correct and dependable performance.

Performance Data

NOZZLE THREAD CONN.	NOZZLE CODE	INLET BORE DIA.	OUTLET BORE DIA.	FLOW RATES (LPM @ BarG)							APPROX. SPRAY ANGLE @ 2.0 BarG
		(mm)	(mm)	0.5	1.0	2.0	3.0	5.0	7.0	10.0	DEG°
1/8	17W	1.0	1.6	0.88	1.21	1.68	2.03	2.58	3.03	3.58	118
	26W	1.0	2.0	1.37	1.89	2.62	3.17	4.03	4.72	5.58	118
	34W	1.0	2.4	1.78	2.47	3.42	4.14	5.26	6.16	7.29	118
	48W	1.3	2.4	2.49	3.45	4.78	5.78	7.35	8.61	10.18	118
1/4	60W	1.3	2.8	3.11	4.31	5.97	7.22	9.18	10.76	12.72	118
	73W	1.3	3.2	3.79	5.26	7.28	8.81	11.20	13.12	15.51	118
	85W	1.6	3.6	4.41	6.12	8.47	10.25	13.03	15.26	18.05	118
3/8	103W	1.6	4.0	5.35	7.41	10.27	12.43	15.80	18.50	21.88	118
	121W	2.4	4.4	6.31	8.74	12.11	14.65	18.63	21.82	25.80	118
	144W	2.4	4.8	7.52	10.42	14.43	17.46	22.20	26.00	30.75	118
	163W	2.8	5.2	8.49	11.75	16.28	19.70	25.04	29.33	34.69	118
1/2	181W	2.8	5.6	9.44	13.07	18.11	21.91	27.86	32.63	38.59	118
	210W	3.2	6.0	10.94	15.15	20.98	25.38	32.27	37.80	44.70	118
	240W	3.2	6.4	12.49	17.31	23.97	29.00	36.87	43.19	51.07	118
	270W	3.6	6.4	14.08	19.51	27.02	32.69	41.56	48.69	57.57	118
	300W	4.0	6.7	15.63	21.64	29.98	36.27	46.12	54.02	63.88	118
3/4	420W	4.0	6.7	21.88	30.31	41.98	50.79	64.58	75.64	89.45	121
1	780W	4.0	6.7	40.62	56.27	77.94	94.30	119.89	140.43	166.06	121
1-1/4	1130W	4.0	6.7	58.88	81.56	112.97	136.69	173.78	203.55	240.70	121
1-1/2	1700W	4.0	6.7	88.63	122.76	170.03	205.73	261.55	306.36	362.28	121
2	3330W	4.0	6.7	173.58	240.43	333.02	402.93	512.27	600.04	709.56	121

Applications

- Cooling & Quenching
- Product Washing
- Air & Gas Washing
- Foam Breaking
- Dust Control
- Fire Suppression

Ordering Example

3/8-CJM-SS-103W

Available Materials

Brass, 303ss, 316ss

* Other materials available on request

GCJV Elliptical Series - Full Cone Nozzle

Nozzle Features

GCJV Series nozzles feature an elliptical cone spray pattern where critical cooling in thick band spray area is required.

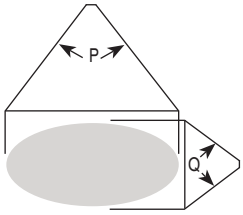
Ordering Example

3/8-GCJV-316SS-56

Available Materials

Brass, 303ss, 316ss

* Other materials available on request

Performance Data

NOZZLE THREAD CONN.	NOZZLE CODE	FLOW RATES (LPM @ BarG)							APPROX. SPRAY ANGLE @ 3.0 BarG		APPROX. SPRAY ANGLE @ 7.0 BarG	
		0.5	1.0	2.0	3.0	5.0	7.0	10.0	P°	Q°	P°	Q°
3/8	30	1.55	2.15	2.98	3.61	4.58	5.37	6.35	90	66	86	60
	40	2.07	2.87	3.97	4.80	6.11	7.15	8.46	95	64	85	60
	50	2.59	3.59	4.97	6.01	7.65	8.96	10.59	100	64	84	65
	56	2.93	4.06	5.62	6.80	8.65	10.13	11.97	100	65	86	65