



BW/BBW wide angle series spray nozzles features a solid cone spray pattern with a round impact area and spray angles between 120° and 125° they produce a uniform distribution of medium to large sized drops over a wide range of flow rates and pressure, they are ideal for applications requiring complete coverage to a certain area. with the uniform spray distribution resulting from a unique vane design and exact size, the nozzle insure correct and dependable performance. Wide angle Material: Brass, SS, 316SS

## PERFORMANCE DATA

### Wide angle

Inlet Conn. NPT or BSPT	Capacity size	Nozzle type		Orifice Diam. Nom. mm	Max. Free Passage Diam. mm	Capacity (liters per minute)										Spray angle		
		BW one-piece	BBW two-piece			0.2 Bar	1 bar	1.5 Bar	2 Bar	3 Bar	4 Bar	5 Bar	6 Bar	7 Bar	10 Bar	0.5 Bar	1.5 Bar	6 Bar
1/8	2.8W	●	●	1.6	1.0		1.2	1.5	1.7	2.0	2.3	2.5	2.7	2.9	3.5	116°	120°	102°
	4.3W	●	●	2.0	1.0		1.9	2.3	2.6	3.1	3.5	3.9	4.2	4.5	5.4	116°	120°	102°
	5.6W	●	●	2.4	1.0	1.8	2.5	3.1	3.4	4.0	4.6	5.1	5.5	5.9	7.1	116°	120°	102°
	8W	●	●	2.4	1.3	2.6	3.6	4.4	4.8	2.8	6.6	7.2	7.8	8.4	10.1	116°	120°	102°
1/4	10W	●	●	2.8	1.3	3.3	4.5	5.5	6.0	7.2	8.2	9.1	9.8	10.8	12.7	117°	120°	103°
	12W	●	●	3.2	1.3	3.9	3.9	6.5	7.3	8.7	9.8	10.9	11.8	12.7	15.2	117°	120°	103°
	14W	●	●	3.6	1.6	4.6	6.2	7.6	8.5	10.1	11.5	12.7	13.7	14.8	17.7	117°	120°	103°
3/8	17W	●	●	4.0	1.6	5.6	7.6	9.3	10.3	12.3	13.9	15.4	16.7	18.0	21.6	117°	120°	103°
	20W	●	●	4.4	2.4	6.6	8.9	10.9	12.1	14.5	16.5	18.1	19.6	21.2	25.3	117°	120°	104°
	24W	●	●	4.8	2.4	7.9	10.7	13.1	14.5	17.3	19.7	22.0	24.0	25.9	31	117°	120°	104°
	27W	●	●	5.2	2.8	8.9	12.0	14.7	16.3	19.5	22.0	24.0	26.0	28.1	33.6	117°	120°	104°
	30W	●	●	5.6	2.8	9.9	13.4	16.4	18.1	22.0	25.0	27.0	29.0	31.3	37.4	117°	120°	108°
1/2	35W	●	●	6.0	3.2	11.5	15.6	19.1	21.0	25.0	29.0	32.0	34.0	36.7	43.9	117°	120°	108°
	40W	●	●	6.4	3.2	13.1	17.8	21.8	24.0	29.0	33.0	36.0	39.0	42.1	50.3	117°	120°	108°
	45W	●	●	6.4	3.6	14.8	20.0	24.5	27.0	33.0	37.0	41.0	44.0	47.5	56.8	117°	120°	110°
	50W	●	●	6.7	4.0	16.4	22.0	16.9	30.0	36.0	41.0	45.0	49.0	52.9	63.3	117°	120°	112°

## COMMON APPLICATION

- Washing & rising processes
- Quenching and cooling of coke ,primary metals and other materials
- Suppression of fugitive dust in the processing of bulk ores, coal ,limestone ,sand and gravel
- Scrubbing ,washing and cooling of flue gases to remove fly ash and other products of combustion
- Deluging combustible materials and storage tanks for fire suppression and prevention
- Breaking up and deaerating foam
- Creating and dispersing droplets in chemical reaction processing

## ORDERING INFORMATION

