

# Binary Wide-Angle Nozzle Z-W

# MC

## Wide-angle round spray air nozzles with internal-mixing pressure system

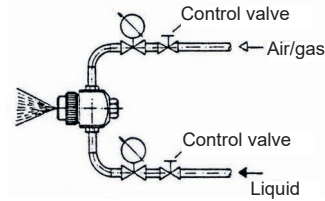
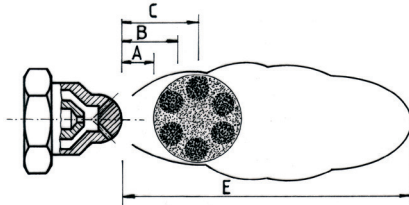
### Characteristics

The spray exists the air cap via several circularly set drillings in a wide-angle spray pattern. Its form remains constant until C. Turbulences follow. A and B represent the spray pattern's diameter for designated distances. Dimension E constitutes the fluid mist's complete length until the spray pattern dissolves.

Connection 1/8"  
Connection 1/4"

For functions see  
page 10.1 - 10.2

For dimensions and ad-  
justment see page 10.3 - 10.4



Liquid is pressure-led into the nozzle.  
If liquid and compressed air or gas mix inside of the  
nozzle, the result is a fine atomization degree.

### Output water (l/h) - Air required (NI/min.)

Type	Liquid pressure (bar)														Spray pattern												
	0.7		1.4		2.1		2.8		4.1		Air press. (bar)	Water (bar)	A 15 cm	B 23 cm	C 38 cm	E max (m)											
	Compr. air	Output Water Air	Compr. air	Output Water Air	Compr. air	Output Water Air	Compr. air	Output Water Air	Compr. air	Output Water Air																	
Z-W 1	0.6	5.3	10.2	1.0	7.9	11.9	1.5	8.9	15.9	2.1	9.6	19.3	3.0	11.2	22.9	0.7	0.7	14.0	17.8	22.9	1.5						
	0.7	4.3	12.2	1.1	7.2	14.2	1.8	7.6	19.5	2.3	8.4	22.9	3.3	10.3	26.6							1.4	1.4	15.2	19.1	24.1	1.8
	0.8	3.0	14.2	1.2	6.4	15.9	2.1	6.1	23.5	2.6	7.2	26.6	3.8	8.7	34.0							2.3	2.1	16.5	20.3	25.4	2.1
	1.0	1.7	17.0	1.4	5.5	18.1	2.3	4.4	28.3	2.9	5.7	31.2	4.1	7.3	39.6							2.9	2.8	16.5	20.3	26.7	2.7
				1.5	4.4	20.1	2.5	3.4	30.3	3.2	4.2	35.7	4.5	5.7	45.3							4.1	4.1	19.1	22.9	30.5	4.0
				1.7	3.4	22.7	2.6	2.6	32.9	3.3	3.4	38.2	4.8	4.1	51.0							4.1	4.1				
			1.8	2.1	25.5	2.8	1.6	35.4	3.4	2.6	41.1	5.2	2.5	58.1													
Z-W 2	0.8	7.0	50.4	1.5	12.5	65.1	2.1	19.3	71.9	2.6	24.2	80.4	3.7	33.2	97.4	0.8	0.7	17.8	24.1	31.8	1.8						
	1.0	2.1	62.3	1.7	8.3	75.6	2.2	16.1	80.7	2.9	17.8	96.9	3.9	30.7	105.9							1.7	1.4	19.1	25.4	33.0	2.4
				1.8	4.5	86.4	2.3	12.7	90.1	3.0	14.8	105.4	4.0	28.2	114.1							2.3	2.1	19.1	25.4	34.3	3.2
							2.5	9.5	99.1	3.2	11.6	114.7	4.1	25.6	122.3							3.2	2.8	20.3	26.7	34.3	4.1
							2.6	6.1	109.0	3.3	8.5	125.2	4.5	19.3	144.4							3.2	2.8	20.3	26.7	34.3	4.1
							2.8	2.6	121.8	3.4	5.3	137.1	4.8	13.2	169.9							4.1	4.1	21.6	27.9	36.8	5.9
Z-W 3	0.7	23.8	32.3	1.4	34.1	45.3	2.1	42.4	57.8	2.8	46.9	71.9	3.9	61.3	77.9	0.8	0.7	19.1	25.4	35.6	2.1						
	0.8	13.6	43.6	1.5	26.1	56.6	2.2	35.2	69.1	2.9	40.1	82.7	4.0	56.0	88.1							1.5	1.4	20.3	26.7	36.8	3.2
	1.0	7.6	56.6	1.7	19.3	68.0	2.3	28.0	79.3	3.0	33.3	94.3	4.1	50.3	99.1							2.3	2.1	20.3	26.7	36.8	4.1
				1.8	12.5	79.3	2.5	20.4	90.6	3.2	26.9	105.4	4.5	37.1	125.2							2.3	2.1	20.3	26.7	36.8	4.1
							2.6	13.6	102.0	3.3	20.4	117.2	4.8	24.6	151.8							3.2	2.8	20.3	27.9	38.1	5.0
							2.8	8.7	112.7	3.4	13.6	127.7	5.2	15.1	178.7							4.5	4.1	20.3	27.9	39.4	6.9
						3.6	8.3	139.1	5.5	9.1	184.4																
Z-W 4	1.2	35.6	85.0	2.1	50.7	117.5	3.0	57.9	154.3	4.1	59.1	199.7	5.5	81.0	242.1	1.9	0.7	20.3	25.4	33.0	5.5						
	1.5	29.1	102.0	2.3	45.0	131.7	3.3	52.2	167.1	4.8	47.3	233.6	5.9	73.8	259.1							2.9	1.4	20.3	26.7	34.3	6.4
	1.8	22.7	117.0	2.6	39.0	144.4	3.8	42.8	191.2	5.5	35.2	267.6	6.2	67.8	276.1							4.5	2.1	21.6	27.9	36.8	8.2
	1.9	19.7	124.6	2.9	33.7	158.6	4.5	29.5	226.6	5.9	29.5	284.6	6.6	62.5	293.1							4.5	2.1	21.6	27.9	36.8	8.2
	2.1	16.7	133.1	3.2	27.6	172.8	4.8	23.1	243.6	6.2	23.5	303.0	6.9	57.2	310.1							5.9	2.8	22.9	29.2	38.1	9.1
	2.2	14.0	141.6	3.4	22.0	188.3	5.2	17.0	262.0	6.6	18.2	320.0										6.2	4.1	24.1	31.8	40.6	10.4
	2.3	11.4	148.7	4.1	9.1	225.1	5.5	12.5	279.0	6.9	14.0	337.0															
Z-W 5	1.1	12.3	40.5	1.9	17.4	55.5	2.9	19.9	75.6	3.8	21.5	93.5	5.5	26.9	127.4	1.5	0.7	15.2	19.1	22.9	2.7						
	1.2	9.9	45.0	2.2	12.8	64.3	3.2	15.1	83.8	4.1	16.1	104.2	5.9	22.0	138.2							2.8	1.4	16.5	20.3	24.1	4.6
	1.4	7.9	49.6	2.5	9.3	72.2	3.3	13.1	88.1	4.5	11.9	115.0	6.2	17.6	149.2							3.4	2.1	16.5	20.3	24.1	5.5
	1.5	6.1	53.8	2.8	6.6	80.7	3.4	11.5	92.3	4.8	8.7	125.7	6.6	14.2	160.0							4.8	2.8	17.8	21.6	25.4	7.3
	1.7	4.9	58.3	2.9	5.5	85.0	3.8	8.0	102.8	5.2	6.5	136.5	6.9	11.4	170.8							6.2	4.1	19.1	24.1	27.9	9.4
	1.8	3.9	62.3	3.0	4.6	88.9	4.1	5.6	112.7	5.5	5.0	147.3															
	1.9	3.1	66.6	3.2	3.8	92.9	4.5	3.9	123.5	5.9	4.0	158.0															
Z-W 6	1.7	25.4	155.8	2.6	40.5	209.6	3.3	62.5	249.2	4.1	70.4	294.5	5.9	110.5	388.0	1.9	0.7	24.1	33.0	45.7	5.5						
	1.8	19.7	167.1	2.9	28.8	235.1	3.6	47.3	271.9	4.5	51.9	322.8	6.2	93.1	416.3							3.2	1.4	25.4	34.3	47.0	6.4
	1.9	15.1	178.4	3.0	23.5	246.4	3.9	34.8	294.5	4.8	37.9	351.2	6.6	78.4	447.5							4.1	2.1	27.9	36.8	50.8	7.3
	2.1	11.4	192.6	3.2	18.9	257.7	4.1	25.0	320.0	5.2	28.0	382.3	6.9	66.2	478.6							5.2	2.8	29.2	38.1	53.3	7.9
	2.2	7.6	203.9	3.3	15.1	269.0	4.3	21.2	331.3	5.5	20.8	410.6										6.2	4.1	33.0	41.9	58.4	9.8
				3.4	11.4	280.4	4.5	16.7	348.3	5.9	15.1	439.0															
			3.6	9.1	291.7	4.8	10.6	376.7	6.2	9.5	470.1																