

## Round spray air nozzle with internal-mixing pressure system

### Characteristics

Round spray with an exit angle of 15° - 20°. Its form remains fixed until C. Turbulences follow. A and B represent the spray pattern's diameter for designated distances.

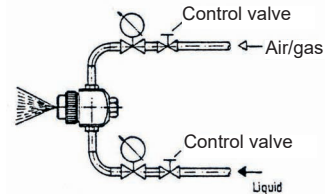
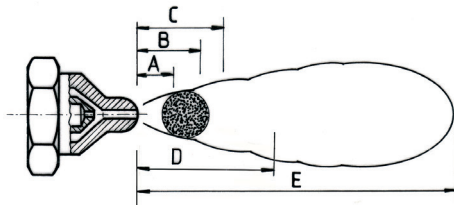
Dimension E constitutes the compact mist's maximum distance to the very point of dispersion.

Connection 1/8"

Connection 1/4"

For functions see page 10.1 - 10.2

For dimensions and adjustment 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 dimensions																
	0.7			1.4			2.1			2.8			4.1			Air press. (bar)	Water (bar)	Spray angle	A 15 cm	B 25 cm	C 40 cm	D 100 cm	E max. (m)								
	Compr. air	Output		Compr. Air	Output		Compr. air	Output		Compr. air	Output		Compr. air	Output										Luft							
Z-R 1	0.7	2.5	15.6	1.0	5.7	11.3	1.7	6.4	15.9	2.2	7.0	19.3	3.4	8.6	27.8	0.8	0.7	15°	3.4	5.7	9.1	30.5	2.7								
	0.8	1.8	19.0	1.2	4.7	14.2	1.9	5.5	17.8	2.5	6.1	22.7	3.7	7.8	30.3									1.7	1.4	15°	3.4	5.7	9.1	33.0	3.0
	1.0	1.4	22.1	1.5	3.7	17.8	2.2	4.1	23.2	2.8	5.0	26.3	4.0	6.8	33.7									2.5	2.1	15°	3.4	5.7	9.1	35.6	3.4
				1.7	3.3	19.8	2.5	3.2	27.2	3.0	4.1	30.3	4.3	5.9	38.5									2.5	2.1	15°	3.4	5.7	9.1	35.6	3.4
				1.8	2.7	21.5	2.6	2.7	29.2	3.3	3.2	34.8	4.6	5.0	43.0									3.0	2.8	15°	3.7	6.1	9.8	39.4	3.8
				1.9	2.3	23.2	2.8	2.5	31.4	3.4	2.7	37.7	4.7	4.7	44.7									4.3	4.1	15°	3.9	6.6	10.5	44.5	4.4
2.1	1.7	26.3	2.9	2.0	33.7	3.6	2.5	39.1	4.8	4.2	47.0	4.8	4.2	15°	3.9	6.6	10.5	44.5	4.4												
Z-R 2	0.7	2.5	18.7	1.2	5.5	24.6	1.7	7.5	28.3	2.1	9.1	32.3	2.8	12.5	38.5	0.8	0.7	15°	3.2	5.3	8.4	43.2	3.7								
	0.8	2.0	21.8	1.4	5.0	27.8	1.9	6.4	33.1	2.3	8.2	36.5	3.2	11.1	43.6									1.4	1.4	15°	3.4	5.7	9.1	45.7	4.0
	1.0	1.6	25.5	1.5	4.5	30.0	2.2	5.5	38.2	2.6	7.3	41.6	3.6	9.8	51.8									2.3	2.1	15°	3.4	5.7	9.1	48.3	4.3
				1.7	4.1	32.9	2.3	5.0	41.3	2.9	6.1	47.6	4.0	8.6	59.2									2.9	2.8	15°	3.4	5.7	9.1	50.8	4.6
				1.8	3.4	35.7	2.5	4.5	44.5	3.0	5.7	50.4	4.3	7.9	64.0									2.9	2.8	15°	3.4	5.7	9.1	50.8	4.6
				1.6	4.2	47.0	3.2	5.2	53.2	4.6	7.0	69.7	4.0	4.1	75.6									4.8	6.4	15°	3.9	6.6	10.5	55.9	5.2
2.8	3.9	49.8	3.3	5.0	56.1	4.8	6.4	75.6	4.8	6.4	75.6	4.8	6.4	15°	3.9	6.6	10.5	55.9	5.2												
Z-R 3	0.8	4.8	20.7	1.5	8.2	29.7	2.1	11.0	35.1	2.5	16.4	35.7	3.3	22.0	42.5	1.5	0.7	15°	3.2	5.3	8.4	48.3	4.0								
	1.1	4.1	26.6	1.8	6.6	35.7	2.3	9.3	40.2	2.8	14.6	38.5	3.6	20.0	46.7									2.3	1.4	15°	3.4	5.7	9.1	50.8	4.3
	1.4	3.4	32.6	2.1	5.5	41.6	2.6	7.9	46.7	3.0	13.4	44.2	3.9	18.6	49.0									2.9	2.1	15°	3.4	5.7	9.1	53.3	4.6
	1.5	3.1	35.4	2.3	4.8	47.3	2.9	6.6	53.0	3.3	10.6	50.4	4.1	17.3	53.2									2.9	2.1	15°	3.4	5.7	9.1	53.3	4.6
	1.7	3.0	38.5	2.6	4.1	53.0	3.2	5.7	57.5	3.6	9.3	56.9	4.4	15.4	58.9									3.3	2.8	15°	3.7	6.1	9.8	55.9	4.9
	1.8	2.9	40.5	2.8	3.9	55.5	3.4	4.7	63.7	3.9	8.2	62.3	4.7	14.1	63.7									4.1	4.1	15°	3.9	6.6	10.5	59.7	5.3
1.9	2.9	44.2	2.9	3.6	57.8	3.6	4.5	66.8	4.1	7.0	66.8	4.8	13.6	66.3	4.1	4.1	15°	3.9	6.6	10.5	59.7	5.3									
Z-R 4	1.1	13.0	75.9	1.9	19.0	105	2.8	23.1	134	3.3	29.3	150	4.5	40.5	191	1.7	0.7	20°	4.8	7.9	12.7	66.0	4.9								
	1.4	8.9	90.6	2.2	14.0	118	3.0	19.0	146	3.8	22.5	172	5.2	32.8	219									2.8	1.4	20°	5.3	8.8	14.1	76.2	6.1
	1.5	7.2	98.0	2.5	10.0	132	3.3	15.0	160	4.5	13.4	206	5.5	29.0	234									3.8	2.1	20°	5.3	8.8	14.1	81.3	6.7
	1.7	5.8	105	2.8	7.0	145	3.8	8.7	184	5.2	7.4	241	5.9	25.2	249									3.8	2.1	20°	5.3	8.8	14.1	81.3	6.7
	1.8	4.7	112	3.0	4.9	159	4.1	5.9	202	5.5	5.3	258	6.2	21.3	266									5.2	2.8	20°	5.6	9.3	14.8	91.4	7.9
	1.9	3.6	120	3.3	3.4	173	4.5	4.1	220	5.9	3.8	275	6.6	17.5	283									5.9	4.1	20°	5.6	9.3	14.8	96.5	9.1
2.1	2.7	127	3.4	2.9	180	4.8	2.8	237	6.2	2.7	292	6.9	13.7	300	6.9	4.1	20°	5.6	9.3	14.8	96.5	9.1									
Z-R 5	0.8	30.7	56.6	1.4	51.5	72.2	2.1	61.7	92.0	2.6	73.8	106	3.7	97.3	132	1.0	0.7	20°	4.5	7.5	12.0	61.0	4.9								
	1.0	25.0	65.7	1.5	45.4	80.7	2.3	49.6	106	2.9	62.5	119	4.1	82.5	151									1.8	1.4	20°	4.8	7.9	12.7	68.6	5.8
	1.1	18.5	75.3	1.7	38.6	89.2	2.6	37.5	122	3.2	51.5	133	4.5	70.0	169									2.8	2.1	20°	5.3	8.8	14.1	76.2	6.7
	1.2	12.9	85.0	1.8	32.6	97.7	2.8	32.9	131	3.4	40.9	150	4.8	57.5	189									3.4	2.8	20°	5.3	8.8	14.1	78.7	7.0
				1.9	27.3	106	2.9	28.8	139	3.6	36.3	158	5.2	46.2	221									3.4	2.8	20°	5.3	8.8	14.1	78.7	7.0
				2.1	22.3	115	3.0	25.0	147	3.7	32.6	166	5.5	37.9	231									4.8	4.1	20°	5.6	9.3	14.8	91.4	8.5
2.2				17.4	123	3.2	21.2	156	3.9	28.8	174	5.9	30.3	252	6.9	4.1	20°	5.6	9.3	14.8	91.4	8.5									
Z-R 6	1.0	44.3	86.4	1.4	104	86.1	1.9	139	101	2.2	187.0	93.7	2.9	267	89.8	1.0	0.7	20°	5.0	8.4	13.4	88.9	6.1								
	1.1	32.2	102	1.5	87.1	98.8	2.1	123	112	2.5	159.7	116	3.2	246	109									1.7	1.4	20°	5.3	8.8	14.1	99.1	7.0
	1.7	68.1	112	2.2	109	124	2.8	109	124	2.8	132.9	139	3.4	223	131									2.3	2.1	20°	5.6	9.3	14.8	104	7.6
	1.8	54.5	125	2.3	93.9	135	3.0	93.9	135	3.0	106.0	160	3.7	201	153									3.0	2.8	20°	5.6	9.3	14.8	107	7.9
	1.9	42.8	137	2.5	79.1	147	3.2	92.7	171	4.0	92.7	171	4.0	179	175									3.0	2.8	20°	5.6	9.3	14.8	107	7.9
	2.6	66.2	159	3.3	80.6	183	4.5	80.6	183	4.5	80.6	183	4.5	141	214									3.7	4.1	20°	5.8	9.7	15.6	117	9.1
2.8	55.3	171	3.4	69.7	194	4.8	69.7	194	4.8	69.7	194	4.8	114	242	4.8	4.1	20°	5.8	9.7	15.6	117	9.1									