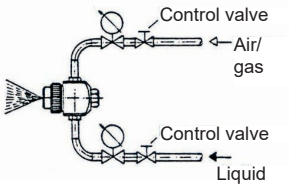
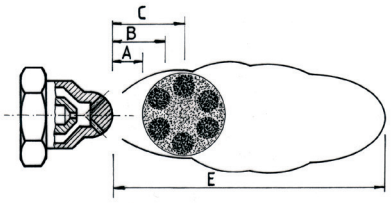
Air nozzles with internal-mixing pressure system

Characteristics

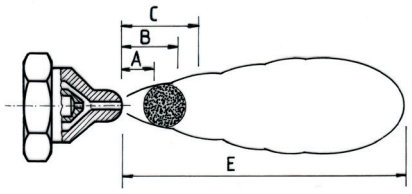
Liquid is led into the nozzle by means of pressure. Mixing of liquid and compressed air or gas inside of the nozzle results in finest atomization.



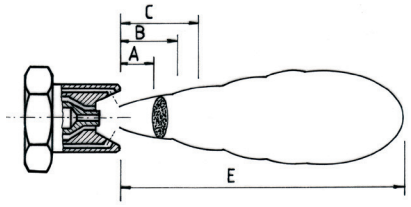
Connection **1/2“**
For functions see page 10.1 - 10.2
For dimensions and adjustment see page 10.3 - 10.4



Type **Z-W 31**



Type **Z-R 31 and Z-R 32**



Type **Z-F 31**

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

Nozzle type	Liquid pressure (bar) 0.7 Air	0.7 Output Water	0.7 Output Air	1.4 Air	1.4 Output Water	1.4 Output Air	2.1 Air	2.1 Output Water	2.1 Output Air	2.8 Air	2.8 Output Water	2.8 Output Air	4.1 Air	4.1 Output Water	4.1 Output Air	Spray distribution Air	Water	A 23 cm	B 46 cm	C 69 cm	E max. m
Z-W 31	0.8	12.1	1,218	1.5	19.3	1,473	2.2	24.6	1,813	2.9	29.1	2,237	4.1	40.1	2,804	1.0	0.7	48.3	94.0	139.7	4.3
	1.0	9.1	1,444	1.7	15.5	1,756	2.3	20.8	2,124	3.0	25.4	2,549	4.3	36.0	3,059	1.8	1.4	53.3	101.6	149.9	5.8
	1.1	6.4	1,728	1.8	12.5	2,039	2.5	17.0	2,436	3.2	21.6	2,832	4.4	31.8	3,342	2.2	1.4	43.2	83.8	119.4	7.6
				1.9	9.8	2,407	2.6	13.6	2,719	3.3	18.5	3,115	4.6	28.4	3,682	2.6	2.1	53.3	104.1	147.3	8.8
				2.1	7.6	2,662	2.8	11.7	3,002	3.4	15.9	3,398	4.7	25.7	4,021	3.2	2.1	40.6	83.8	124.5	11.3
				2.2	6.1	2,945	2.9	9.8	3,285	3.6	13.6	3,738	4.8	23.1	4,305	3.4	2.8	50.8	111.8	157.5	11.3
							3.0	8.3	3,625	3.7	11.7	3,965	5.0	20.8	4,701	4.1	2.8	43.2	101.6	137.2	14.0
							3.2	6.8	3,852	3.9	10.2	4,248	5.1	18.9	5,041	4.1	4.1	55.9	119.4	170.2	12.8
										4.0	8.7	4,645	5.2	17.0	5,381	5.9	4.1	38.1	78.7	104.1	18.6
										4.1	7.6	4,984	5.5	14.0	6,089						
													5.9	11.0	7,222						
Z-R 31	0.8	12.1	1,218	1.5	19.3	1,473	2.2	24.6	1,813	2.9	29.1	2,237	4.1	40.1	2,804	1.0	0.7	10.2	20.3	30.5	9.1
	1.0	9.1	1,444	1.7	15.5	1,756	2.3	20.8	2,124	3.0	25.4	2,549	4.3	36.0	3,059	1.8	1.4	10.2	20.3	33.0	11.0
	1.1	6.4	1,728	1.8	12.5	2,039	2.5	17.0	2,436	3.2	21.6	2,832	4.4	31.8	3,342	2.2	1.4	10.2	22.9	33.0	12.5
				1.9	9.8	2,407	2.6	13.6	2,719	3.3	18.5	3,115	4.6	28.4	3,682	2.6	2.1	10.2	22.9	33.0	13.7
				2.1	7.6	2,662	2.8	11.7	3,002	3.4	15.9	3,398	4.7	25.7	4,021	3.2	2.1	10.2	25.4	35.6	16.2
				2.2	6.1	2,945	2.9	9.8	3,285	3.6	13.6	3,738	4.8	23.1	4,305	3.4	2.8	10.2	22.9	35.6	16.5
							3.0	8.3	3,625	3.7	11.7	3,965	5.0	20.8	4,701	4.1	2.8	10.2	25.4	38.1	19.2
							3.2	6.8	3,852	3.9	10.2	4,248	5.1	18.9	5,041	4.1	4.1	12.7	22.9	33.0	18.0
										4.0	8.7	4,645	5.2	17.0	5,381	5.9	4.1	10.2	25.4	38.1	25.3
										4.1	7.6	4,984	5.5	14.0	6,089						
													5.9	11.0	7,222						
Z-R 32	0.8	22.4	1,374	1.4	41.6	1,204	2.1	50.0	1,558	2.8	57.2	1,869	4.1	69.3	2,237	1.0	0.7	15.2	27.9	33.0	7.6
	1.0	16.7	2,322	1.5	34.4	1,699	2.2	44.3	1,954	2.9	52.2	2,209	4.5	59.8	3,030	1.7	1.4	15.2	27.9	35.6	9.1
	1.1	13.1	3,625	1.7	29.5	2,266	2.3	39.4	2,407	3.0	47.7	2,634	4.8	51.1	3,908	2.5	2.1	15.2	25.4	35.6	10.7
	1.2	10.4	5,296	1.8	25.4	3,115	2.5	35.6	2,889	3.2	43.9	3,087				3.2	2.8	15.2	25.4	35.6	12.8
				1.9	22.5	4,050	2.6	32.0	3,540	3.3	40.5	3,540				4.5	4.1	15.2	27.9	38.1	15.2
				2.1	19.9	5,183	2.8	29.3	4,248	3.4	36.7	4,106									
Z-F 31	0.8	12.1	1,218	1.5	19.3	1,473	2.2	24.6	1,813	2.9	29.1	2,237	4.1	40.1	2,804	1.0	0.7	73.7	152.4	213.4	6.4
	1.0	9.1	1,444	1.7	15.5	1,756	2.3	20.8	2,124	3.0	25.4	2,549	4.3	36.0	3,059	1.8	1.4	81.3	162.6	233.7	7.0
	1.1	6.4	1,728	1.8	12.5	2,039	2.5	17.0	2,436	3.2	21.6	2,832	4.4	31.8	3,342	2.2	1.4	58.4	127.0	177.8	7.9
				1.9	9.8	2,407	2.6	13.6	2,719	3.3	18.5	3,115	4.6	28.4	3,682	2.6	2.1	86.4	182.9	243.8	8.2
				2.1	7.6	2,662	2.8	11.7	3,002	3.4	15.9	3,398	4.7	25.7	4,021	3.2	2.1	68.6	132.1	177.8	9.1
				2.2	6.1	2,945	2.9	9.8	3,285	3.6	13.6	3,738	4.8	23.1	4,305	3.4	2.8	94.0	182.9	264.2	9.1
							3.0	8.3	3,625	3.7	11.7	3,965	5.0	20.8	4,701	4.1	2.8	73.7	149.9	223.5	10.1
							3.2	6.8	3,852	3.9	10.2	4,248	5.1	18.9	5,041	4.1	4.1	124.5	223.5	320.0	9.4
										4.0	8.7	4,645	5.2	17.0	5,381	5.9	4.1	63.5	160.0	233.7	11.9
										4.1	7.6	4,984	5.5	14.0	6,089						
													5.9	11.0	7,222						