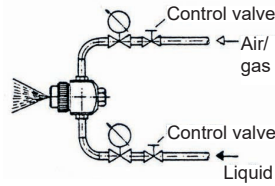


Air nozzles with internal-mixing pressure system

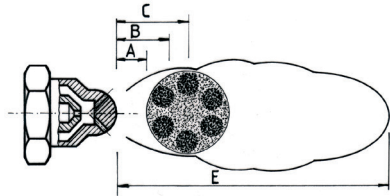
Characteristics

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.

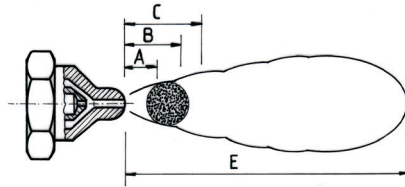


Connection 1/2"

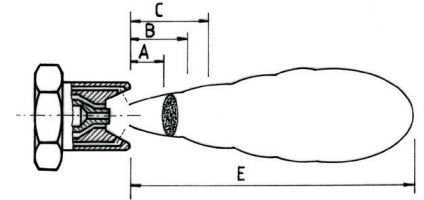
For functions see page 10.1 - 10.2
For dimensions and adjustment see page 10.3 - 10.4



Type Z-W 31



Type Z-R 31 and Z-R 32



Type Z-F 31

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

Nozzle type	Liquid pressure (bar)															Spray distribution						
	0.7			1.4			2.1			2.8			4.1			Air	Water	A 23 cm	B 46 cm	C 69 cm	E max. m	
	Air	Water	Air	Air	Water	Air	Air	Water	Air	Air	Water	Air	Air	Water	Air							
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	