



THE
SPRAY NOZZLE
PEOPLE

WTZ

Right Angle
Clog Resistant



FULL CONE

DESIGN FEATURES

- ✓ No internal parts, clog-resistant
- ✓ Uniform distribution
- ✓ Male and female connections
- ✓ Large free passage

SPRAY CHARACTERISTICS

- ✓ Spray pattern: Full Cone
- ✓ Spray angle: 90° and 110°
- ✓ Flow rates: 0.50 to 223 l/min



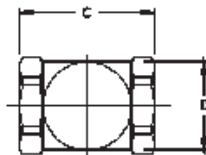
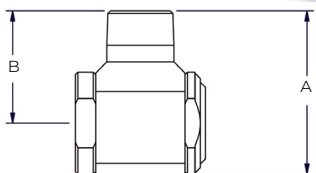
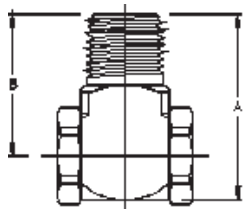
The WTZ is a tangential whirl full cone nozzle. It has a large free passage and produces an even distribution of spray with a moderate level of atomisation. Right angle spray nozzles can be used in a variety of situations where head space is limited. Common applications for this nozzle include:

Pasteurisation tunnels
Packed Bed Distribution
Foam control
And more.

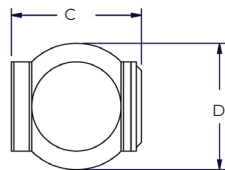
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www.spray-nozzle.co.uk

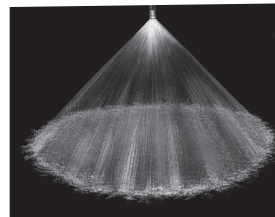
The Go-to People for spray nozzle solutions



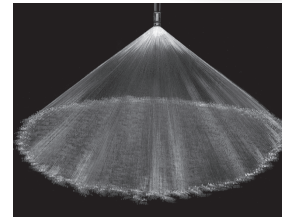
Metal



3/4" and 1"



Full cone 90°



Full cone 120°

WTZ Flow Rates and Dimensions

Full Cone, 90° and 110° Spray Angles, 1/4", 3/8", 1/2", 3/4", and 1" Pipe Size, BSP or NPT
Standard Materials: Brass, PVC, 303 Stainless Steel and 316 Stainless Steel.

Male or female pipe size	Nozzle No	K Factor	Litres per minute at bar							Dimensions (mm) metal only				
			0.5 bar	1 bar	2 bar	3 bar	5 bar	7 bar	10 bar	Orifice Dia	A	B	C	D
1/4"	WTZ 50	1.13	0.8	1.13	1.6	1.96	2.53	2.99	3.58	1.9				
	WTZ 56	1.27	0.9	1.27	1.8	2.2	2.84	3.36	4.02	2				
	WTZ 62	1.41	1	1.41	2	2.45	3.16	3.74	4.47	2.1	33	25	20	16
	WTZ 77	1.77	1.25	1.77	2.5	3.06	3.95	4.67	5.59	2.3				
	WTZ 98	2.23	1.58	2.23	3.15	3.86	4.98	5.9	7.05	2.6				
	WTZ 120	2.83	2	2.83	4	4.9	6.33	7.48	8.95	3				
3/8"	WTZ 150	3.53	2.5	3.53	5	6.12	7.9	9.35	11.2	3.3				
	WTZ 170	3.96	2.8	3.96	5.6	6.86	8.86	10.5	12.5	3.5				
	WTZ 200	4.46	3.15	4.46	6.3	7.72	10	11.8	14.1	3.7	38	28	30	19
	WTZ 250	5.66	4	5.66	8	9.8	12.7	15	17.9	4.15				
	WTZ 280	6.36	4.5	6.36	9	11	14.2	16.8	20.1	4.4				
	WTZ 310	7.07	5	7.07	10	12.3	15.8	18.7	22.4	4.65				
1/2"	WTZ 390	8.84	6.25	8.84	12.5	15.3	19.8	23.4	28	5.2				
	WTZ 500	11.3	8	11.3	16	19.6	25.3	29.9	35.8	5.8				
	WTZ 620	14.1	10	14.1	20	24.5	31.6	37.4	44.7	7.3				
	WTZ 780	17.7	12.5	17.7	25	30.6	39.5	46.8	55.9	8				
	WTZ 980	22.3	15.8	22.3	31.5	38.6	49.8	58.9	70.4	8.7	47	35	38	25
	WTZ 1120**	25.5	18.1	25.5	36.1	44.2	57.1	67.5	80.7	9.87				
3/4"*	WTZ 1280**	29.2	20.6	29.2	41.3	50.5	65.2	77.2	92.2	10.7				
	WTZ 1440**	32.8	23.2	32.8	46.4	56.8	73.4	86.8	103.8	9.93				
	WTZ 1200	27.3	19.3	27.4	38.7	47.4	61.2	72.4	86.5	8.51				
1"*	WTZ 1500	34.2	24.2	34.2	48.3	59.2	76.4	90.4	108	10.5	76	51	51	51
	WTZ 1900	43.3	30.6	43.3	61.2	75	96.8	115	137	11.9				
1"*	WTZ 2200	50.1	35.5	50.1	70.9	86.8	112	133	159	12.7	81	56	65	63
	WTZ 3100	70.6	50	70.7	99.9	122	158	187	223	13.5				

Flow Rate (l/min) = K $\sqrt{\text{bar}}$ * Male threads ONLY, female threads available on request ** 90° spray angle ONLY, other angles available on request

Ask our technical sales engineers about additional products and services to optimise your spraying process.

Spray Calibration Solutions

Easy-to-use, fast measurement solutions to ensure accurate nozzle installation and maintenance, reduce water wastage and identify nozzle wear.



Spray Pattern & Droplet Distribution



Nozzle Flow Calibrators



Nozzle Cleaning Kit

Complete Spray Bars

Tailored nozzle selections and spray bar designs that integrate seamlessly with your new or existing setup.

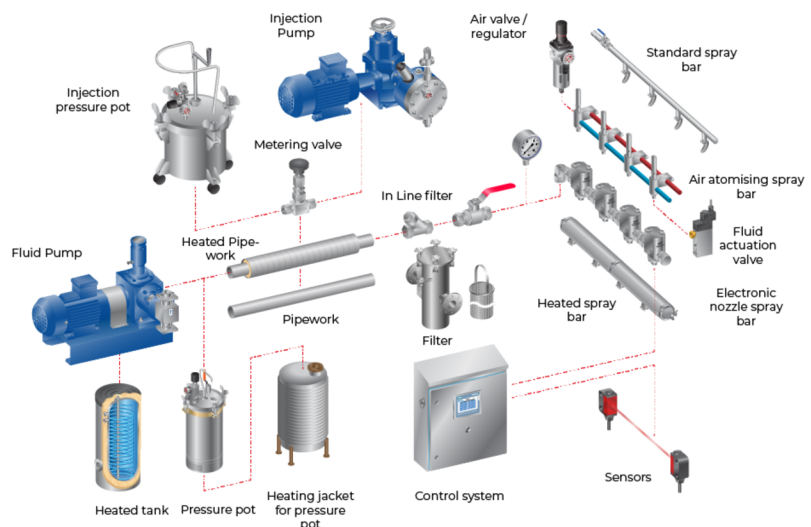
- ✓ Expert nozzle selection and placement
- ✓ Efficient spray coverage
- ✓ Fast turnaround time
- ✓ Reduced design burden
- ✓ High-quality spray bars



Complete Custom Spraying Systems

Complete spraying systems built around your goals and application.

- ✓ Tailored upstream components supplied individually or as part of complete system
- ✓ Custom pipework, pumps, tanks, sensors, valves, heating, control panels and more
- ✓ Seamless integration with existing processes
- ✓ Built to budget and ROI targets
- ✓ End-to-end support: design, install, maintain



THE GO-TO PEOPLE FOR SUCCESSFUL SPRAY ENGINEERING