

WTZ

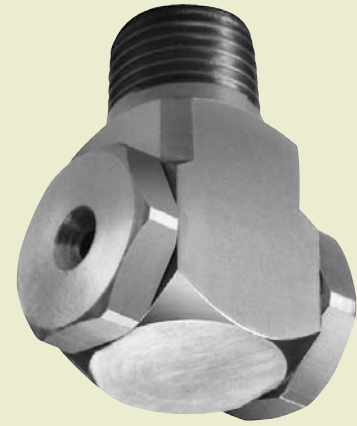
Right Angle Full Cone

DESIGN FEATURES

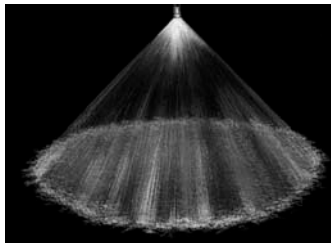
- No internal parts, clog-resistant
- Uniform distribution
- Male and female connections
- Large free passage

SPRAY CHARACTERISTICS

Spray pattern: Full Cone
Spray angle: 90° and 110°
Flow rates: 0.50 to 70.4 l/min



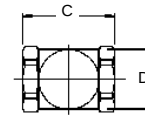
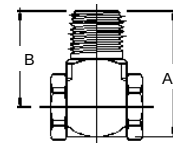
Metal



Full Cone 90°



Full Cone 110°



Metal

Dimensions are approximate. Check with BETE for critical dimension applications.

WTZ Flow Rates and Dimensions

Full Cone, 90° and 110° Spray Angles, 1/4", 3/8" and 1/2" Pipe Size, BSP or NPT

Male or Female Pipe Size	Nozzle Number	K Factor	LITERS PER MINUTE @ BAR							Approx. Orifice Dia. (mm)	Dimensions (mm)			
			0.5 bar	1 bar	2 bar	3 bar	5 bar	7 bar	10 bar		Metal Only			
1/4"	WTZ 50	1.13	0.80	1.13	1.60	1.96	2.53	2.99	3.58	1.90	33	25	20	16
	WTZ 56	1.27	0.90	1.27	1.80	2.20	2.84	3.36	4.02	2.00				
	WTZ 62	1.41	1.00	1.41	2.00	2.45	3.16	3.74	4.47	2.10				
	WTZ 77	1.77	1.25	1.77	2.50	3.06	3.95	4.67	5.59	2.30				
3/8"	WTZ 98	2.23	1.58	2.23	3.15	3.86	4.98	5.90	7.05	2.60	38	28	30	19
	WTZ 120	2.83	2.00	2.83	4.00	4.90	6.33	7.48	8.95	3.00				
	WTZ 150	3.53	2.50	3.53	5.00	6.12	7.90	9.35	11.2	3.30				
	WTZ 170	3.96	2.80	3.96	5.60	6.86	8.86	10.5	12.5	3.50				
	WTZ 200	4.46	3.15	4.46	6.30	7.72	10.0	11.8	14.1	3.70				
	WTZ 250	5.66	4.00	5.66	8.00	9.80	12.7	15.0	17.9	4.15				
	WTZ 280	6.36	4.50	6.36	9.00	11.0	14.2	16.8	20.1	4.40				
	WTZ 310	7.07	5.00	7.07	10.0	12.3	15.8	18.7	22.4	4.65				
	WTZ 390	8.84	6.25	8.84	12.5	15.3	19.8	23.4	28.0	5.20				
1/2"	WTZ 500	11.3	8.00	11.3	16.0	19.6	25.3	29.9	35.8	5.80	47	35	37	25
	WTZ 620	14.1	10.0	14.1	20.0	24.5	31.6	37.4	44.7	7.30				
	WTZ 780	17.7	12.5	17.7	25.0	30.6	39.5	46.8	55.9	8.00				
1/2"	WTZ 980	22.3	15.8	22.3	31.5	38.6	49.8	58.9	70.4	8.70				

$$\text{Flow Rate (l/min)} = K \sqrt{\text{bar}}$$

Standard Materials: Brass, PVC, 303 Stainless Steel and 316 Stainless Steel.

Spray angle performance varies with pressure. Contact BETE for specific data on critical applications.



WHIRL

CALL 1-413-772-0846
 Call for the name of your nearest BETE representative.