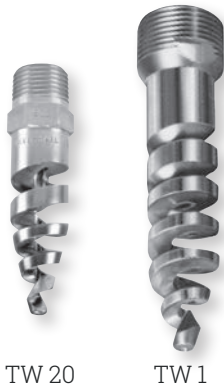




## Stationary



TW 20

TW 1

### DESIGN FEATURES

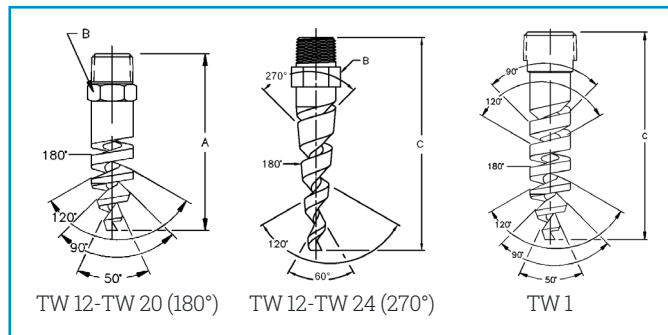
- Easy to maintain
- Clog-resistant spiral design
- Energy efficient
- Compact design; fits small openings

### SPRAY CHARACTERISTICS

- Unique pattern that sprays in opposing directions

**Spray Angles:** 180°, 270°

**Flow Rates:** 11 to 260 l/min



### DIMENSIONS IN MILLIMETERS

Pipe Size	A 180°	B	C 270°	Wt. (grams)
3/8"	73	19	92	50
1/2"		22.2	108	181
1"		28.6	146	298

## TW FLOW RATES

Materials: Brass, 316 Stainless Steel

Male Connection Type	Nozzle Number	Available Spray Angles	K Factor	Flow Rate (l/min) @ Differential Pressure (bar)						Approx. Orifice Dia mm	Approx. Free Pass Dia mm	Scrubbing Dia m	Rinsing Dia m
				0.7	1	2	3	4	5				
				bar	bar	bar	bar	bar	bar				
3/8" NPT/BSP	TW-12	180° 270°	13.7	11.4	13.7	19.3	23.7	27.3	30.6	4.8	3.3	0.40	0.75
	TW-14	180° 270°	18.5	15.4	18.5	26.1	32.0	36.9	41.3	5.6	3.3	0.45	1.2
	TW-16	180° 270°	24.2	20.2	24.2	34.2	41.8	48.3	54.0	6.4	3.3	0.60	1.5
	TW-20	180° 270°	37.6	31.5	37.6	53.2	65.1	75.2	84.1	7.9	3.3	0.90	2.1
1/2" NPT/BSP	TW-24	270°	54.9	46.0	54.9	77.7	95.1	110	123	10.4	4.3	1.2	2.7
1" NPT/BSP	TW-1	270°	116	97.2	116	164	201	232	260	14.2	5.1	2.4	6.1

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

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