



THE
SPRAY NOZZLE
PEOPLE

TW

Spiral Static Nozzle



TANK WASH

DESIGN FEATURES

- ✓ Clog-resistant spiral design
- ✓ Energy efficient
- ✓ Compact design; fits small openings

SPRAY CHARACTERISTICS

- ✓ Easy to maintain
- ✓ Unique patterns that spray in opposing directions
- ✓ Flow rates: 11.4 to 260 l/min

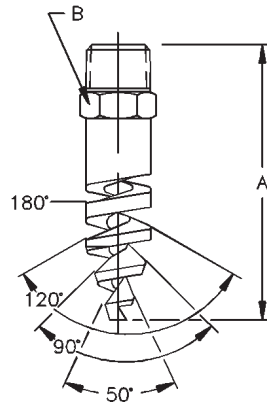
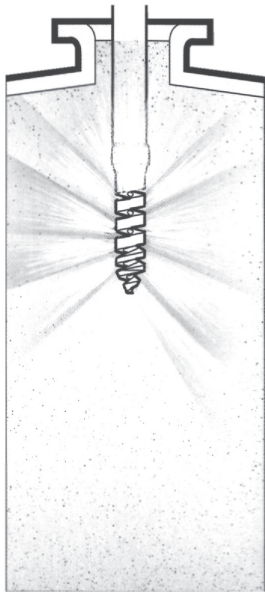


The TW is a special very wide angle spiral nozzle that delivers up to a 270° spray pattern. This makes it suitable for cleaning many tanks and vessels. The spiral design is clog resistant which means recirculated wash water can be used. The spiral design also has a very small width compared to other tank cleaning heads, which means the TW can be inserted in to tanks with very small openings.

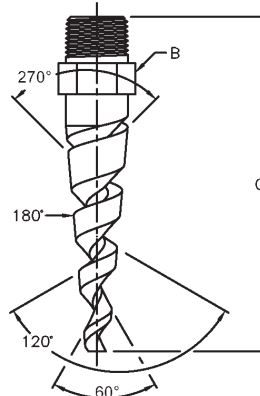
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www.spray-nozzle.co.uk

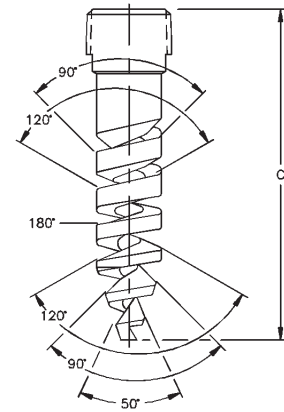
The Go-to People for spray nozzle solutions



TW 12-TW 20 (180°)



TW 12-TW 20 (270°)



TW 1

TW Flow Rates and Dimensions

TW 180° and 270° Spray Angles, 3/8" and 1" Pipe Sizes, BSP or NPT
Standard Materials: Brass, 316 Stainless Steel

Male Pipe Size	Nozzle Number	Available Spray Angles	K	Flow Rate (l/min) at bar							Dimension (mm)				Wt (g)
				0.7 bar	1 bar	2 bar	3 bar	4 bar	5 bar	Ori Dia	Free Pass	A	B	C	
3/8"	TW12	180° 270°	13.7	11.4	13.7	19.3	23.7	27.3	30.6	4.83	3.3				49.6
	TW14	180° 270°	18.5	15.4	18.5	26.1	32	36.9	41.3	5.59	3.3	73	17.5		
	TW16	180° 270°	24.2	20.2	24.2	34.2	41.8	48.3	54	6.35	3.3				
	TW20	180° 270°	37.6	31.5	37.6	53.2	65.1	75.2	84.1	7.87	3.3				
1"	TW1	270°	116	97.2	116	164	201	232	260	14.2	5.08			146.1	298

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

TW Tank Washing Coverage Chart

Spraying at 2-3 bar

Pipe Size	Nozzle Number	Scrubbing Diameter (mm)	Rinsing Diameter (mm)
3/8"	TW12	380	760
	TW14	460	1200
	TW16	610	1500
	TW20	910	2100
1"	TW1	2400	6100

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.

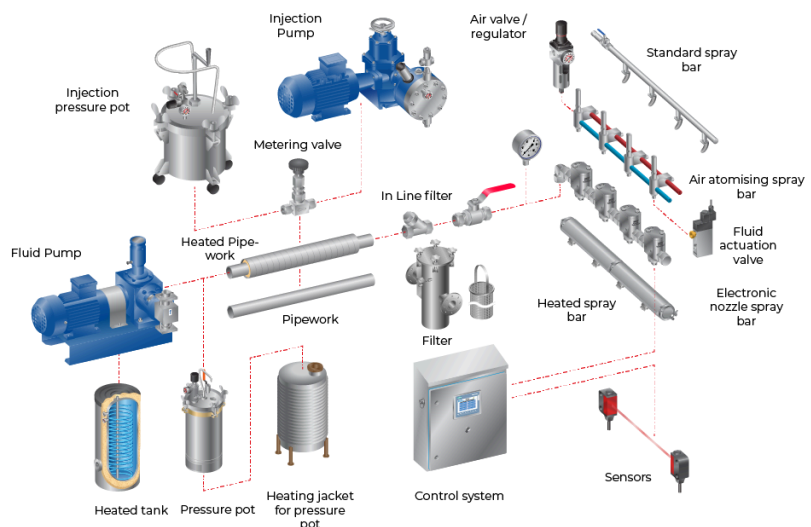
- ✓ Expert nozzle selection and placement
- ✓ Efficient spray coverage
- ✓ Fast turnaround time
- ✓ Reduced design burden
- ✓ High-quality spray bars



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