



**Spraying Systems Co.**  
Experts in Spray Technology

# MINI-SPINNER

## VESSEL CLEANING NOZZLES



### EFFICIENT NOZZLES FOR CLEANING AND RINSING OF SMALL VESSELS

Regular and thorough cleaning of hygienic equipment is essential to maintaining bioburden control and preventing cross contamination.

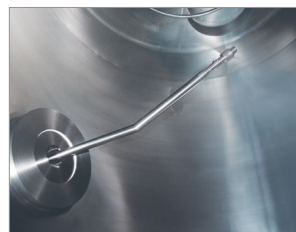
Mini-Spinner nozzles are cost-effective, fluid-driven rotary nozzles designed to effectively clean and rinse small vessels (up to 3' (0.9m) in diameter) for pharmaceutical, biopharmaceutical, and industrial applications. With a flow range of 2.1 to 4.5 gpm (7.9 to 17 Lpm), and an operating pressure of 10 to 50 psi (0.7 to 3.4 bar), these nozzles are perfect for low flow and low pressure applications.

### BENEFITS

- Saucers are made with chemical-resistant PTFE
- Self-lubricated with cleaning fluid and self-draining
- Rotating spray head can be easily removed for inspection and maintenance
- Spray coverage of 360° or 180° up or down
- USP Class VI components are manufactured using material stock produced with USP Class VI resins; available with USP Class VI Viton O-ring
- Data package includes material test reports for 316L stainless materials

### TYPICAL APPLICATIONS

- VESSEL CLEANING
- CIP PROCESSES
- DE-ROUGHING/PASSIVATING PURIFIED WATER TANKS

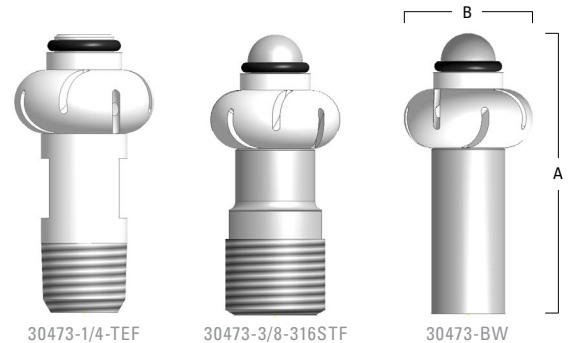


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## PERFORMANCE DATA

Nozzle Number	Capacity GPM					Capacity L/min				
	10 psi	20 psi	30 psi	40 psi	50 psi	0.7 bar	1.5 bar	2.0 bar	3.0 bar	3.4 bar
30473	2.1	2.9	3.5	4.0	4.5	7.8	11.3	13	15	17

Nozzle Number	A	B (diameter)	Weight
30473-1/4-TEF	1.75 in (44.4 mm)	.87 in (22 mm)	.05 oz
30473-3/8-316STF	1.90 in (48.3 mm)	.87 in (22 mm)	1.7 oz
30473-BW	1.90 in (48.3 mm)	.87 in (22 mm)	1.0 oz



## SPRAY COVERAGE

Type of Coverage	180° Up	180° Down	360°
	A	B	E

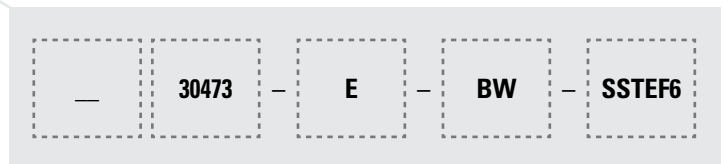
## ORDERING INFORMATION

To order, specify nozzle type, spray pattern, inlet connection, and material code (see configuration options).

### Example



\*Add B for BSPT connections, leave blank for NPT connections



### MATERIAL CODE

Code	TEF	TEFUSP	316STF	SSTE6
Material	PTFE	UPS Class PTFE	316SS and PTFE	316L and TEFUSP



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