

Reaction Force Method

Entire Surface Spray

Made of PTFE

**Flat  
Spray**

# ROTATING CLEANING NOZZLES for tanks/containers

**ESV-PTFE series**



## FEATURES

- **Made of PTFE**  
Excellent chemical resistance and safety
- **Flat fan-shaped spray toward the entire surface in a tank**
- No external power needed as rotation is driven solely by the flow of the cleaning fluid
- Easy maintenance due to low number of parts
- Clean design with little dripping from the nozzle tip even when installed upward

## SPRAY PATTERN

【360° spray】

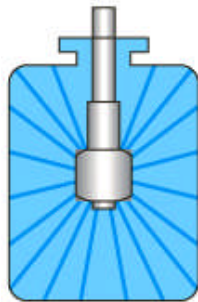
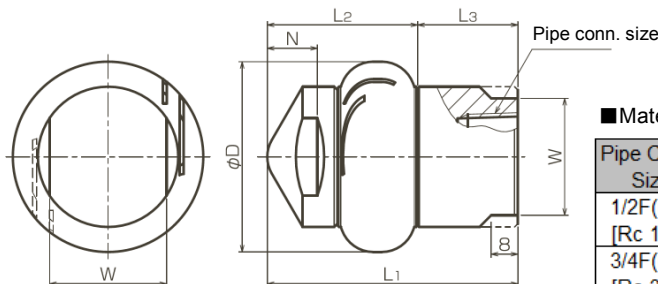


Image of spray pattern

## APPLICATIONS

- Food tank, Chemical tank
- Container
- Filling machine
- Conveyer washing by an acid or alkaline detergent for various machines

## DIMENSIONS



■ Material: PTFE

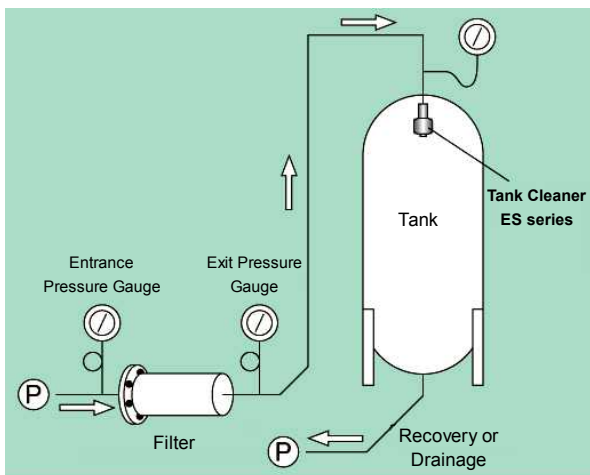
Pipe Conn. Size	Dimensions (mm)						Mass (g)
	L1	L2	L3	W	$\phi D$	N	
1/2F(PT) [Rc 1/2"]	65	41	24	30	50	12	130
3/4F(PT) [Rc 3/4"]	75	45	30	35	57	15	180

"F" in the pipe connection size denotes female thread.

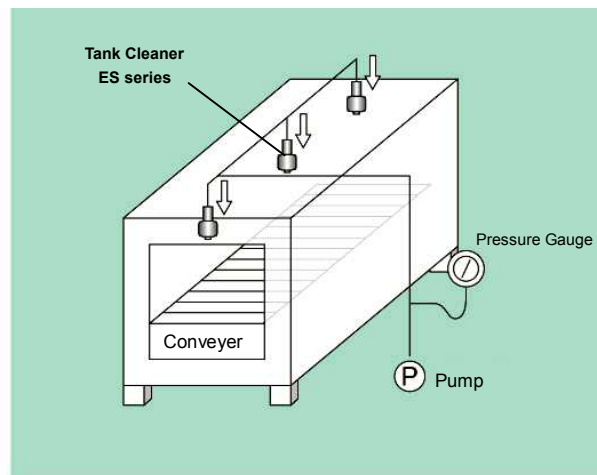
## SPECIFICATIONS

Spray Capacity Code	Pipe Conn. Size (PT)	Spray Capacity (L/min)						Spray Pattern & Direction	Max. Liquid Temperature
		0.05MPa	0.1MPa	0.2MPa	0.3MPa	0.4MPa	0.5MPa		
30	1/2F (Rc 1/2")	12.2	17.3	24.5	30	34.6	38.7	Flat spray 360°	93 deg. C (199 deg. F)
40		16.3	23.1	32.7	40	46.2	51.6		
70	3/4F (Rc 3/4")	28.6	40.4	57.2	70	80.8	90.4		
110		44.9	63.5	89.8	110	127	142		
150		61.2	86.6	123	150	173	194		

## EXAMPLES of USE



**Tank Cleaning**



**Cleaning Inside Storage Areas**

## HOW TO ORDER

Please inquire or order for a specific nozzle using this coding system.

[Example] 1/2F ESV 30N PTFE (360)

<b>1/2F</b>	ES V	<b>30</b>	N PTFE (360)
Pipe Conn. Size		Spray Capacity Code	
■ 1/2F		■ 30	
■ 3/4F		■ 40	
		■ 70	
		■ 110	
		■ 150	

Please feel free to contact us or our local sales office for any questions/inquiries.

 "The Fog Engineers"  
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