

Reaction Force Method

Made of PTFE

ROTATING CLEANING NOZZLES

for tanks/containers

ES-PTFE series



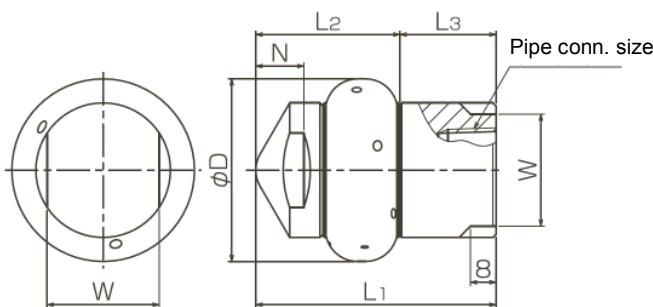
FEATURES

- **Made of PTFE !!**
Excellent chemical resistance and safety
- 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

APPLICATIONS

- Chemical tank
 - Container
 - Filling machine
 - All sorts of machine to clean by acid or alkali
- Ideal for food-processing machinery!**

DIMENSIONS

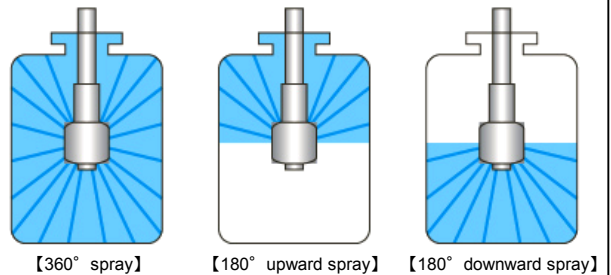


■ Material: PTFE

Pipe Conn. Size	Dimensions (mm)						Mass (g)
	L1	L2	L3	W	φD	N	
1/2F(PT) [Rc1/2"]	65	41	24	30	50	14	130
3/4F(PT) [Rc3/4"]	75	45	30	35	57	15	180

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

SPRAY PATTERN

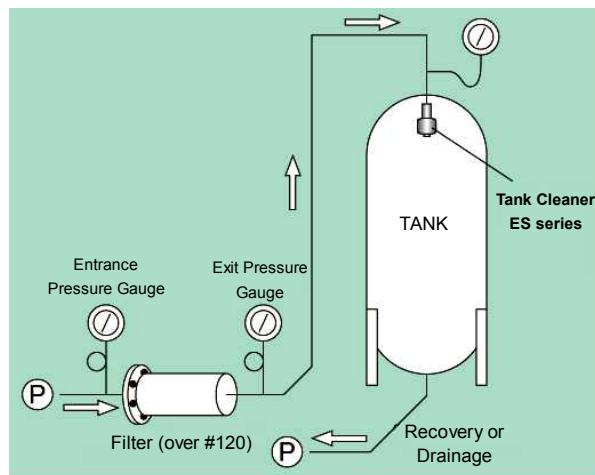


*Diagrams are approximate images.

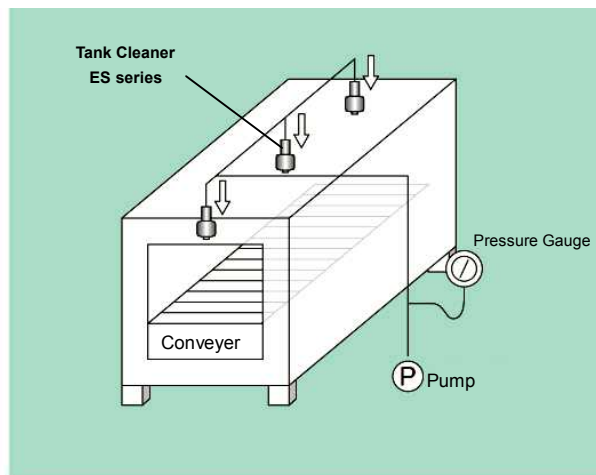
SPECIFICATIONS

Spray Capacity Code	Pipe Conn. Size (PT)	Spray Capacity (L/min)						Spray Pattern (Spray 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	360° 180° upward 180° downward	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		
150		61.2	86.6	123.0	150	173.0	194.0		

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 ES 30 N PTFE (360)

1/2F	ES	30	N	PTFE	(360)
Pipe Conn. Size		Spray Capacity Code			Spray Pattern
■ 1/2F		■ 30			■ 360
■ 3/4F		■ 40			■ 180 upward
		■ 70			■ 180 downward
		■ 150			

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

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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】

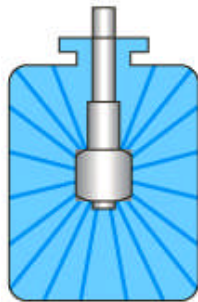
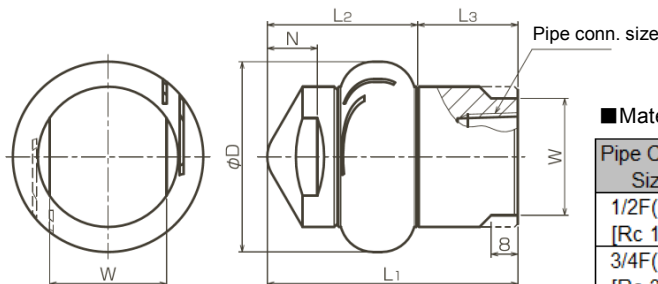


Image of spray pattern

APPLICATIONS

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

DIMENSIONS



■ Material: PTFE

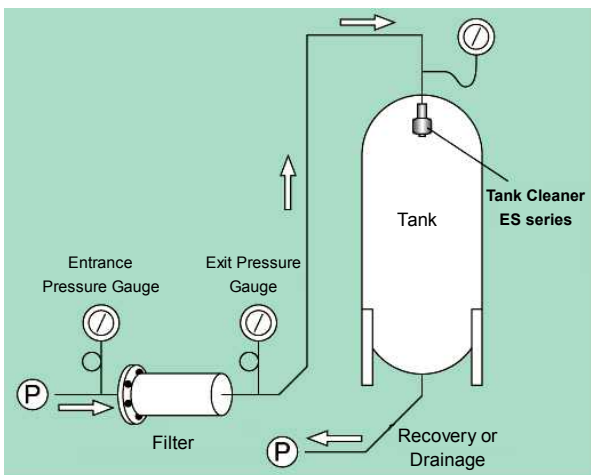
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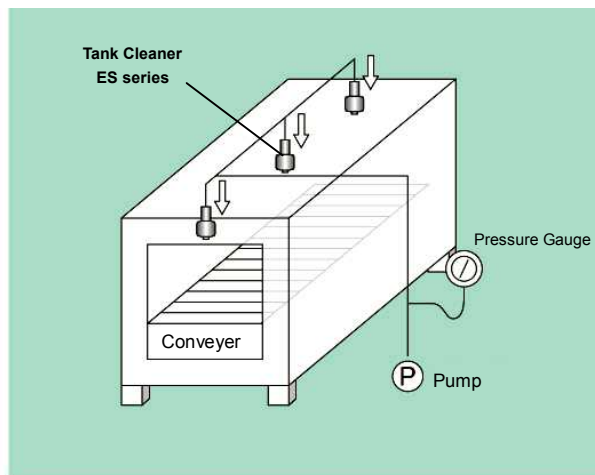
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40		16.3	23.1	32.7	40	46.2	51.6		
70	3/4F (Rc 3/4")	28.6	40.4	57.2	70	80.8	90.4		
110		44.9	63.5	89.8	110	127	142		
150		61.2	86.6	123	150	173	194		

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)

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

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