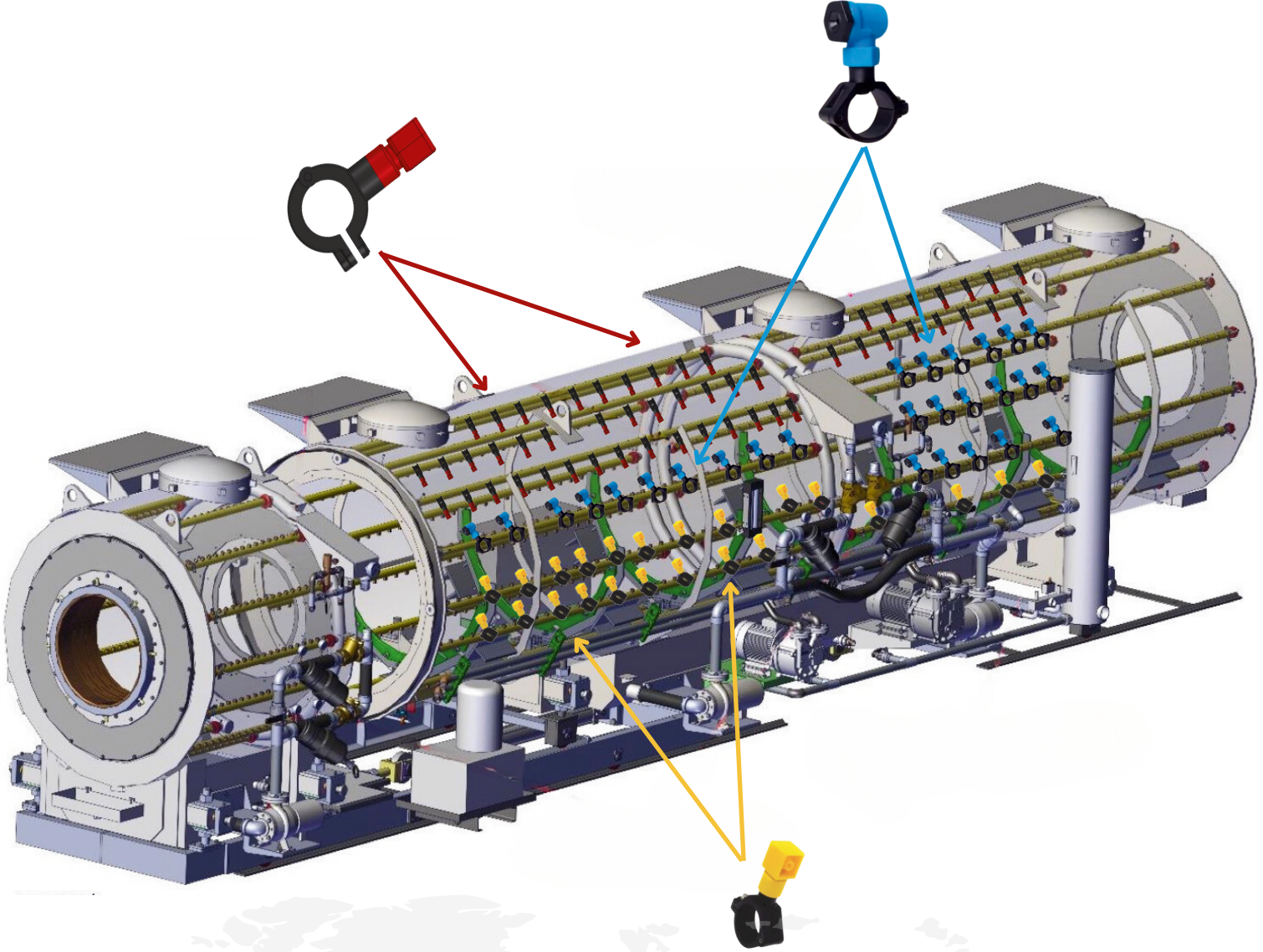


MITSUDA®

Spray Nozzle



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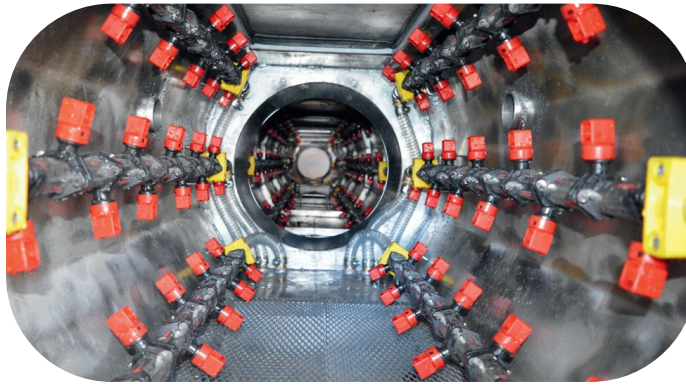


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www.extrusionvacuumtanknozzle.com

www.mitsuda.com.tr



Operating Principle

- **Coolant Spraying:** The spray nozzle, positioned inside the tank, atomizes the coolant (usually water) into a fine mist and sprays it onto the pipe's surface. This spraying process ensures rapid and even cooling of the pipe.
- **Cooling and Shaping:** The coolant reduces the pipe's temperature, causing it to solidify and assume the desired shape. The vacuum applies uniform pressure to the outer surface of the pipe, contributing to a smooth surface finish.

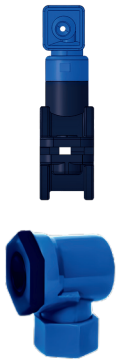
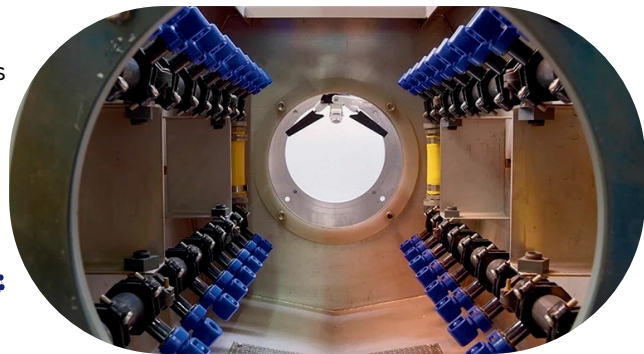


A Detailed Look at Pipe Vacuum Tank Spray Nozzles

• Pipe vacuum tank spray nozzles are specially designed spraying equipment frequently used in the production of plastic pipes. These nozzles play a critical role in the cooling and shaping of pipes within a vacuum environment.

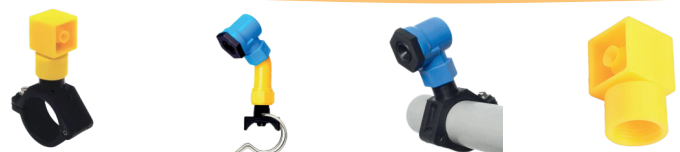


Easy Change of Nozzle

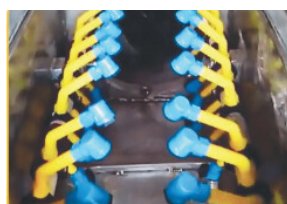


Advantages

- **Rapid and Even Cooling:** Ensures quick and uniform cooling across the entire pipe surface.
 - **High-Quality Product:** Improves surface quality and dimensional tolerances of the product.
 - **Energy Efficiency:** Optimizes the cooling process, reducing energy consumption.
 - **Automation Compatibility:** Can be easily integrated into automated production processes.
- Summary: Pipe vacuum tank spray nozzles are indispensable in modern plastic pipe manufacturing. These nozzles enable high-quality and efficient production.

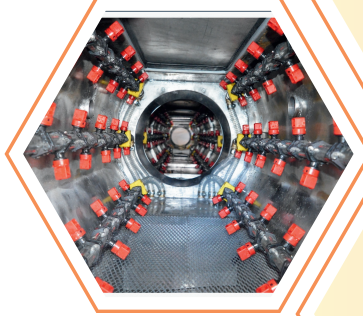
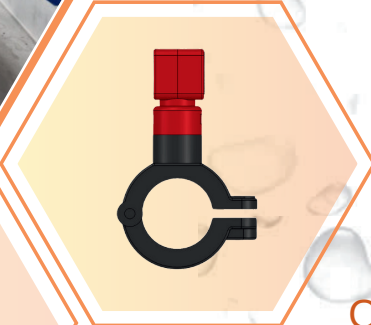


Fields of Application



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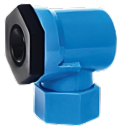
Spray Nozzle



High Performance and
Overqualified Spray Nozzles for
Extrusion Vacuum Tank Spray
Technology

Extrusion Vacuum Tank Nozzle

35.
Years



MH 302

- Tangential flow design Self-cleaning,
- Clog-resistant design
- Homogeneous spray coating



Assembly
MH302-1



Assembly
MH302-2

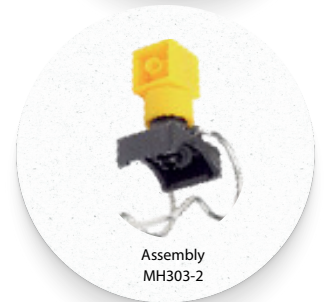


MF 303

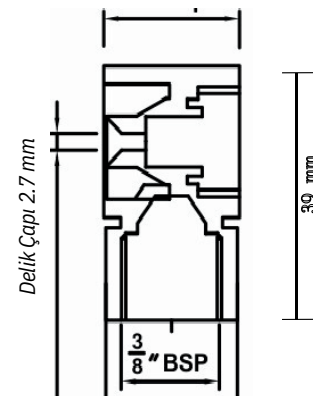
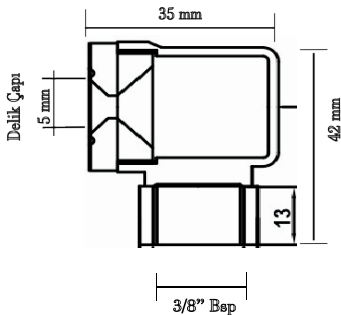
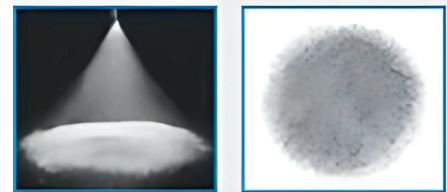
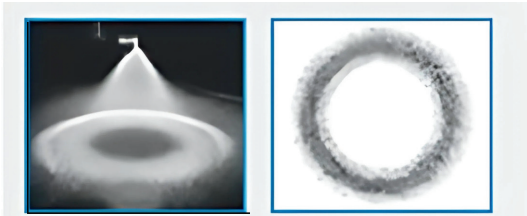
- Tangential flow design
- Unaffected by transient pressures
- Extremely uniform liquid distribution



Assembly
MH303-1



Assembly
MH303-2



Fields of Application

- Surface Spraying Dust Control
- Pipe Cooling During Pvc/Hdpe Pipe Extrusion
- Cleaning and Washing Process
- Degreasing and Phosphating
- Foam Control for Storage Tanks

Spray angle @ 3 bar	Nozzle Code	Hole Diameter (mm)	Nozzle Flow Rate	Spray Pressure						
				0.6 bar	1.3 bar	2.0 bar	3.0 bar	4.0 bar	5.0 bar	7.0 bar
90°	MF 303	2,6	[l/min]	1.84	2.76	3.28	3.80	4.70	5.42	5.99
			[gal/min]	0.49	0.73	0.87	1.01	1.24	1.43	1.58
	MH 302	5.00	[l/min]	2.50	3.00	3.42	4.15	5.15	6.00	6.80
			[gal/min]	0.66	0.79	0.90	1.09	1.36	1.58	1.79