

# Wedge Wire Nozzle

## Effectively Enhance Liquid Treatment Performance

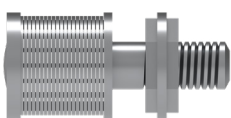
Wedge wire nozzles are a type of component used for filtration or distribution in various water treatment applications. They are made from robust Vee wires and support rods. Continuous welding technology ensured a strong and durable structure. Besides, backwashing and cleaning processes can easily remove debris. Multiple uniformly installed nozzles are widely applied in scenarios requiring filtration, such as gravity sand filters and water softeners, significantly improving the efficiency of the water distribution system. Whether filtering sediment or particulate matter, wedge wire nozzles performs well in small systems. Choosing wedge wire nozzles is not just about selecting a product; it's about choosing an efficient solution for the water treatment industry.



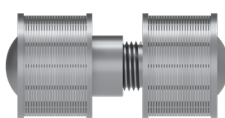
## Types

*Different types of wedge wire nozzles meet various application scenarios and installation requirements.*

- Single head & double head type**      Used for backwash water filtration, gravity & pressure filter tanks, ion exchange filter beds and other water distribution filtration systems.
- Long handle type.**      Used for the air-water backwash distribution system in filters.
- Flat plate flow rating type**      Used for the treatment of drinking water, beverages, printing and dyeing, swimming pools, and other industrial water treatments. It can also be used in industrial wastewater and domestic sewage treatment projects.



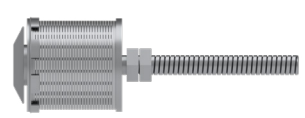
Single head type



Double head type



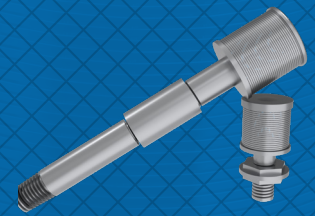
Long handle type



Flat plate flow rating type

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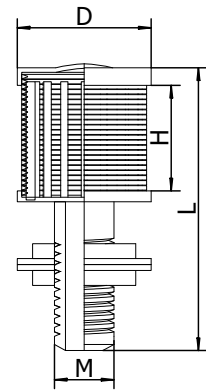


## Technical Information

- **Materials** stainless steel 304, 316, 316L, 321, 904L, 2205, 2507, C276 or other metal alloy material
- **Support profile** Triangle wire
- **Slot size** 0.18 mm - 0.5 mm
- **Types** Single-head, double-head, long-handle, flat plate flow rating type
- **General accessories** nuts, washers, and rubber gaskets are available, and various thread standards such as M, NPT, G, PT, Z, etc., are applicable. The product can also be customized according to user requirements.

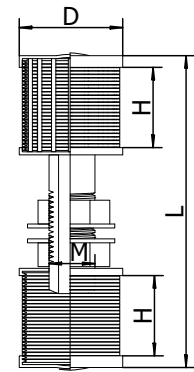
### Specification of Single Head Wedge Wire Nozzle

Item	Slots (mm)	Outline Dimension (mm)				Filtration Area (mm <sup>2</sup> ), slot 0.2 mm	Material
		D	H	L	M		
1	0.2-0.5	45	25	75	M20	280	304, 321, 316, 316L, 904L, C-276
2	0.2-0.5	45	35	85	M20	390	
3	0.2-0.5	45	45	95	M24	500	
4	0.2-0.5	53	45	95	M24	450	
5	0.2-0.5	53	45	95	M32	450	
6	0.2-0.5	53	55	110	M32	550	
7	0.2-0.5	57	35	85	M32	520	
8	0.2-0.5	57	45	95	M32	660	
9	0.2-0.5	57	55	110	M32	530	
10	0.2-0.5	70	45	95	M32	530	
11	0.2-0.5	70	70	120	M32	1000	
12	0.2-0.5	82	60	120	G11/M42	/	



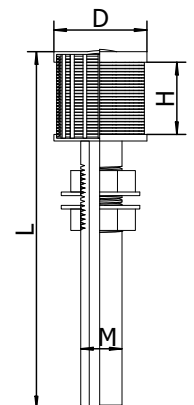
### Specification of Double Head Wedge Wire Nozzle

Item	Slots (mm)	Outline Dimension (mm)				Filtration Area (mm <sup>2</sup> ), slot 0.2 mm	Material
		D	H	L	M		
1	0.2-0.5	45	35	according to order	M25	330	304, 321, 316, 316L, 904L, C-276
2	0.2-0.5	45	45		M25	400	
3	0.2-0.5	53	35		M25	400	
4	0.2-0.5	53	45		M32	680	
5	0.2-0.5	57	40		M32	530	
6	0.2-0.5	57	50		M32	700	



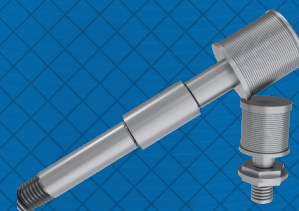
### Specification of Long Hand Wedge Wire Nozzle

Item	Slots (mm)	Outline Dimension (mm)					Filtration Area (mm <sup>2</sup> ), slot 0.2 mm	Material
		D	H	L	M	L1		
1	0.2-0.5	45	35	35	M20	according to order	330	304, 321, 316, 316L, 904L, C-276
2	0.2-0.5	45	45	40	M24		400	
3	0.2-0.5	53	35	45	M24		510	
4	0.2-0.5	53	45	50	M32		640	
5	0.2-0.5	57	40	45	M32		630	
6	0.2-0.5	57	50	50	M32		780	



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## Specification Of Plate Type Flowing Wedge Wire Nozzle

Item	Model	Slots (mm)	Outline Dimension (mm)				Filtration Area (mm <sup>2</sup> ), slot 0.2 mm	Material
			D	H	L	M		
1	QSPN82-18-A	0.25/0.4	82	50	50	130	1300	304, 321, 316, 316L, 904L, C-276
2	QSPN82-18-B	0.25/1.0	82	50	50	130		

## Advantages

Choose wedge wire nozzles for durable and reliable support for your mechanical equipment.

- Effective as a filtration medium, providing media retention.
- Diverse selection, supporting custom requirements.
- Low pressure drop and high flow rate, ensuring ample water intake.
- Simple backwash design.

## Applications

Wedge wire nozzles are widely used in scenarios such as solid-liquid separation and water treatment.

- Sand filters and carbon filters
- Condensate polisher and ion exchange systems
- Removing impurities in filtration systems in the petrochemical industry
- Clarifiers
- Underdrains for media filtration
- Seawater desalination
- Water treatment in thermal power plants

## Quality Control

We are committed to providing superior quality control to ensure that every product meets the highest standards. Learn about our quality control process to ensure you receive reliable products.



Slots measurement



Material analysis



Thread details