

Spray Nozzles

Spray Nozzles **Spray Shape: Fan-Shaped**

RoHS10

NZRFS

Arrow View A **Material: 304 Stainless Steel**

*When thread diameter is 1/8, spray angle is 70°. When thread diameter is 1/4, the angle is 60°.

Part Number Type	No.	d (Hole Dia.)	T	L	L ₁	L ₂	H ₁	H ₂	B ₁	B ₂	Mass (g)
NZRFS	1	1.0	R1/8	25.0	8.0	8.0	6.0	3.0	12.0	13.8	14.0
		1.2									
		1.6									
	2	2.0	R1/4	32.0	14.0	10.0	6.0	2.0	14.0	16.0	27.0
		2.5									
		3.2									

Features: Water is sprayed at wide angle under low pressure, and forms water film.
Applications: Cleaning, Liquid Application on Glass or Film Surface

NZRFS Specification

Size	Hole Dia. (mm)	1.0					1.2					1.6					2.0					2.5				
1/8	Water Pressure (MPa)	0.05	0.07	0.10	0.15	0.20	0.05	0.07	0.10	0.15	0.20	0.05	0.07	0.10	0.15	0.20	0.05	0.07	0.10	0.15	0.20	0.05	0.07	0.10	0.15	0.20
	Water Quantity (L/min)	0.36	0.51	0.60	0.74	0.86	0.64	0.76	0.89	1.10	1.26	1.17	1.38	1.66	2.01	2.31	1.84	2.16	2.59	3.13	3.58	2.87	3.41	4.07	4.90	5.60
	Spray Angle (°)	65	75	90	100	110	80	90	100	110	115	100	110	120	120	125	115	125	130	135	140	115	125	130	135	140

Listed values are not guaranteed but representative values. If the current fluid is air, the product does not spray with the values described on the above table.

Spray Nozzles **Spray Shape: Fan-Shaped**

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NZRVFS
NZRVFU
Narrow Angle Type

Material: 304 Stainless Steel

Part Number Type	No.	d (Hole Dia.)	T	L	L ₁	L ₂	H	B ₁	B ₂	Mass (g)
NZRVFS	1	2.0	R1/8	20.0	6.0	8.0	6.0	12.0	13.6	13.0
		2.5								
		3.2								
		3.6								
		4.0								
NZRVFU	2	5.0	R1/4	22.0	6.0	10.0	6.0	14.0	16.0	20.0
		6.4								
		7.0								

Part Number Type	No.	d (Hole Dia.)	T	L	L ₁	L ₂	H	B ₁	B ₂	Mass (g)
NZRVFU	2	4.0	R1/4	22.0	6.0	10.0	6.0	14.0	16.0	20.0
		5.0								
		6.4								
		7.0								

Features: It is suitable for high pressure cleaning that requires strong impact by water pressure.
Applications: Cleaning of semiconductor and pretreatment e.g. washing before liquid application.

NZRVFS Specification

Size	Hole Dia. (mm)	2.0					2.5					3.2					3.6				
1/8	Water Pressure (MPa)	0.10	0.20	0.30	0.50	0.10	0.20	0.30	0.50	0.05	0.10	0.20	0.30	0.50	0.05	0.10	0.20	0.30	0.50		
	Water Quantity (L/min)	1.12	1.58	1.92	2.49	1.38	1.94	2.37	3.08	1.32	1.81	2.51	3.07	3.97	1.77	2.41	3.38	4.15	5.34		
	Spray Angle (°)	50	60	65	70	55	55	55	60	45	50	60	65	65	45	55	60	65	65		

NZRVFU Specification

Size	Hole Dia. (mm)	4.0					5.0					6.4					7.0				
1/4	Water Pressure (MPa)	0.10	0.20	0.30	0.50	0.10	0.20	0.30	0.50	0.10	0.20	0.30	0.50	0.10	0.20	0.30	0.50	0.10	0.20	0.30	0.50
	Water Qty. (L/min)	3.30	4.60	5.60	7.40	4.60	6.30	7.80	10.10	8.70	12.40	15.40	20.00	8.70	12.40	15.40	20.00	8.70	12.40	15.40	20.00
	Spray Angle (°)	30	35	40	45	30	35	40	45	30	35	40	45	30	35	40	45	30	35	40	40

Listed values are not guaranteed but representative values. If the current fluid is air, the product does not spray with the values described on the above table.

Spray Nozzles **Spray Shape: Full-Circular Shape**

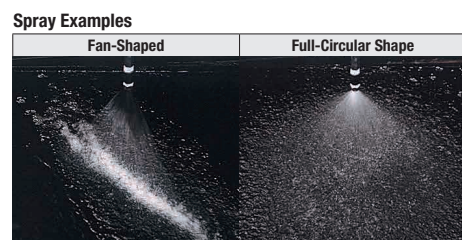
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NZCRS

Material: 304 Stainless Steel

Part Number Type	No.	d (Hole Dia.)	T	S	L	L ₁	L ₂	L ₃	H	H ₁	B	B ₁	B ₂	B ₃	Mass (g)
NZCRS	1	1.6	R1/8	Ø5	23.5	3	1	8	6.5	5	12	13.8	12	13.8	14.0
		2.0													
		2.4													
		2.6													
2	2.6	R1/4	Ø8	32	5.5	2	10	8	6.5	14	16	17	19.5	29.0	
	3.2														

Features: It is suitable for wide-range cleaning that requires large water droplet.
Applications: Wide-range washing, cooling etc.



NZCRS Specification

Size	Hole Dia. (mm)	1.6					2.0				
1/8	Water Pressure (MPa)	0.05	0.10	0.20	0.30	0.50	0.05	0.10	0.20	0.30	0.50
	Water Quantity (L/min)	1.08	1.51	2.09	2.55	3.26	1.29	1.79	2.48	3.05	3.91
	Spray Angle (°)	50	55	60	60	60	50	55	60	60	65

Listed values are not guaranteed but representative values.

Spray Nozzles

Spray Nozzles **Spray Shape: Rod Shape**

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NZRS

Material: 304 Stainless Steel

Part Number Type	No.	d (Hole Dia.)	T	L	L ₁	L ₂	B ₁	B ₂	Mass (g)
NZRS	1	0.5	R1/8	18	10	8	12	13.6	13
		0.7							
		1.0							
	2	1.2	R1/4	20	10	10	14	16	18
		1.6							
		2.0							

Features
 The impact changes as water flow jets rod-like due to water pressure.

Applications
 Pinpoint washing, air blow, etc.

Note
 Hole with small diameter may clog.

NZRS Specification

Size	Hole Dia. (mm)	0.5				0.7				1.0				1.2				1.6			
1/8	Water Pressure (MPa)	0.2	0.3	0.5	0.7	0.2	0.3	0.5	0.7	0.2	0.3	0.5	0.7	0.2	0.3	0.5	0.7	0.2	0.3	0.5	0.7
	Water Quantity (L/min)	0.14	0.18	0.22	0.26	0.31	0.37	0.47	0.55	0.91	1.12	1.46	1.70	1.29	1.56	1.79	2.09	2.26	2.41	3.06	3.59

Listed values are not guaranteed but representative values. If the current fluid is air, the product does not spray with the values described on the above table.

Spray Nozzles **Spray Shape: Annular Shape**

RoHS10

NZRT

Material: Body: Strainer 80 Mesh 304 Stainless Steel

Part Number Type	No.	d (Hole Dia.)	T	Mass (g)
NZRT	2	0.5	R1/4	33.0
		0.7		
		1.0		

Features
 As a fluid nozzle, when the particle is very fine with higher water pressure, the efficiency of air saturation becomes high.

Applications
 Humidification and small amount of fluid application.

NZRT Specifications

Size	Hole Dia. (mm)	0.5				0.7				1.0			
1/4	Water Pressure (MPa)	0.2	0.3	0.4	0.5	0.2	0.3	0.4	0.5	0.2	0.3	0.4	0.5
	Water Quantity (L/min)	0.11	0.13	0.15	0.17	0.14	0.17	0.19	0.21	0.20	0.24	0.27	0.30
	Spray Angle (°)	60	60	65	70	65	65	70	75	65	70	75	80

Listed values are not guaranteed but representative values. Does not spray normally at less than 0.2 MPa. If the current fluid is air, the product does not spray with the values described on the above table.

Part Number Example **Part Number** - **d**
 NZRS2 - 1.6

