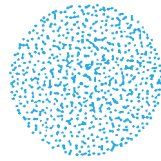


Quick-detachable Standard Flat Spray Nozzles

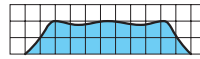
Stainless Steel

INJJX-SS

Full Cone



[Spray pattern]



[Spray distribution]

- Full cone spray pattern with a round impact area and uniform distribution.
- The unique design accommodates easy installation and removal.
- Quick-detachable design helps to significantly reduce maintenance time.
- X-shaped whirler provides a large free passage diameter, minimizing clogging.

[STANDARD PRESSURE]

0.2 MPa

[APPLICATIONS]

Cleaning: Machinery, eliminators, screens, tanks, parts, crushed stone, earth and sand, steel plates and pieces

Cooling: Tanks, roofs

Spraying: Waste water treatment, aeration, foam breaking, dust suppression

Structure	• Includes a nozzle section (nozzle tip + whirler + cap + packing) and an adaptor. • Worn-out nozzle tips and other parts are available separately for replacement. • Easy installation and removal of the nozzle section with a twist of about 90°. • Tip or packing will not fall out when the nozzle section is removed.
Material	• Nozzle orifice: S303 • Whirler, cap and adaptor: S316L equivalent • Packing: FEPM
Weight	• Complete assembly: 62 g • Nozzle tip: 18 g

Max. temperature: 150°C

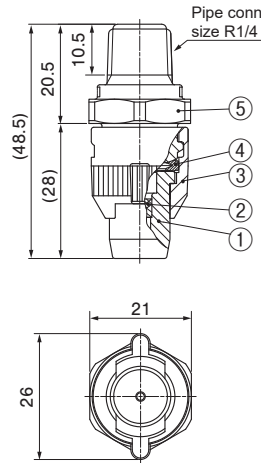
Max. operating pressure: 2.0 MPa

[Note] Appearance and dimensions may differ slightly depending on material and nozzle code.

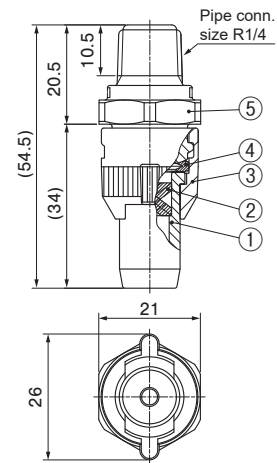
DRAWING

Unit: mm

Spray capacity code
010, 020, and 030



Spray capacity code
040, 050, and 060



① Nozzle tip ② Whirler ③ Cap ④ Packing (FEPM) ⑤ Adaptor

Spray capacity code	Spray angle (°)			Spray capacity (L/min)									Mean droplet diameter (μm)	Free passage diameter (mm)
	0.05 MPa	0.2 MPa	0.5 MPa	0.03 MPa	0.05 MPa	0.1 MPa	0.15 MPa	0.2 MPa	0.3 MPa	0.5 MPa	0.7 MPa	1 MPa		
010	50	55	45	—	0.53	0.73	0.88	1.00	1.18	1.45	1.67	1.93	290	0.7
020	60	65	55	—	1.06	1.46	1.75	2.00	2.36	2.91	3.34	3.86	?	1.4
030	65	70	60	—	1.59	2.18	2.63	3.00	3.54	4.36	5.00	5.79	410	1.4
040	60	65	55	—	2.12	2.91	3.51	4.00	4.72	5.81	6.67	7.72	380	1.7
050	65	70	60	—	2.65	3.64	4.38	5.00	5.90	7.27	8.34	9.64	?	1.7
060	70	75	65	2.51	3.18	4.37	5.26	6.00	7.08	8.72	10.0	11.6	520	1.7

HOW TO ORDER

To inquire about or order a specific nozzle please refer to this coding system.

① Complete Assembly

Example: 1/4M INJJX 010 S303 (FEPM) + S316L-IN

1/4M INJJX **010** S303 (FEPM) + S316L-IN

Pipe conn. size*	Spray capacity code	Nozzle tip material	Packing material	Material of cap & adaptor
	010			
	060			

② Nozzle Tip Only

Example: 1/4 JJX 010 S303

1/4 JJX **010** S303

Spray capacity code	Material
010	
060	

③ Adaptor (R1/4), cap, and packing are available separately for purchase.

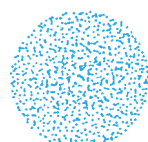
*"M" indicates male thread ("R" of the ISO standard), e.g. 1/4M = R1/4.

Quick-detachable Standard Full Cone Spray Nozzles

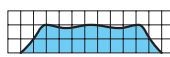
Plastic

INJJX

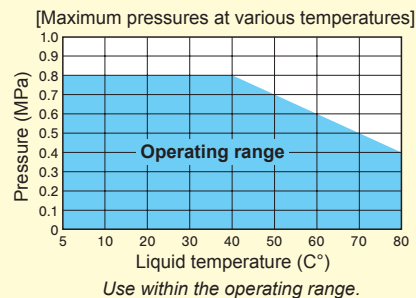
Full Cone



[Spray pattern]



[Spray distribution]



- Full cone spray nozzle with a removable whirler.
- Made of highly chemical and heat resistant plastic.
- Quick-detachable design helps to significantly reduce maintenance time.
- Nozzle tips are color-coded by spray capacity for easy identification.

[STANDARD PRESSURE]

0.2 MPa

[APPLICATIONS]

- Cleaning • Etching • Stripping
- Chemical treatment
- For periodic maintenance or for applications where precise spray alignment is required

Structure	• Two-piece structure including a nozzle tip, with whirler and packing, and an adaptor. • Easy installation and removal of the nozzle tip with a twist of about 60°.
Material	• Nozzle tip and whirler: PP • Adaptor: PP or PPS [SPECIAL ORDER MATERIAL: PVDF] • Packing: FEPM

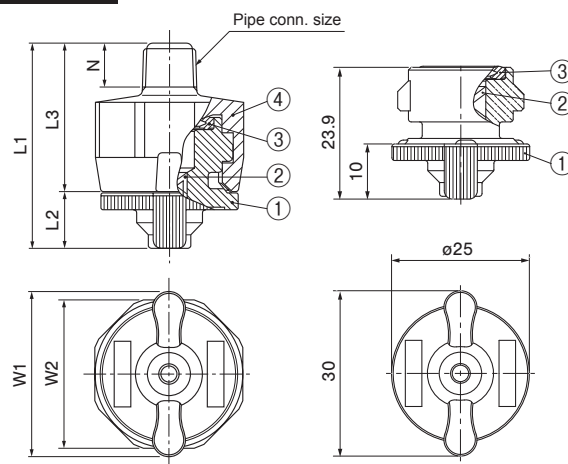
Pipe conn. size	Dimensions (mm)						Weight (g)	
	L1	L2	L3	W1	W2	N	PP	PPS
R1/8	37	10	27	30	27	8	9.2	12
R1/4	40	10	30	30	27	11.5	9.6	13
R3/8	40	10	30	30	27	12	10.5	14

[Note]

- INJJX series nozzles are not compatible with the discontinued ISJJX series.
- Appearance and dimensions may differ slightly depending on material and nozzle code.

DRAWING

Unit: mm



Complete Assembly

Nozzle Tip (① + ② + ③)

① Nozzle tip ② Whirler ③ Packing (FEPM) ④ Adaptor

Spray capacity code	Pipe conn. size			Spray angle (°)			Spray capacity (L/min)								Mean drop. dia. (μm)	Free pass. dia. (mm)	Nozzle tip color
	R1/8	R1/4	R3/8	0.05 MPa	0.2 MPa	0.5 MPa	0.03 MPa	0.05 MPa	0.1 MPa	0.15 MPa	0.2 MPa	0.3 MPa	0.5 MPa	0.7 MPa			
010	○	○	○	60	65	55	—	0.53	0.73	0.88	1.00	1.18	1.48	1.67	290	0.8	
015	○	○	○	60	65	55	—	0.79	1.09	1.32	1.50	1.77	2.18	2.50		1.0	
020	○	○	○	60	65	55	—	1.06	1.46	1.75	2.00	2.36	2.91	3.34		1.5	
025	○	○	○	60	65	55	—	1.32	1.82	2.20	2.50	2.95	3.62	4.17		1.5	
030	○	○	○	60	65	55	—	1.59	2.18	2.63	3.00	3.54	4.36	5.00		1.5	
040	○	○	○	60	65	55	—	2.12	2.91	3.51	4.00	4.72	5.81	6.67		2.0	
050	○	○	○	65	70	60	—	2.65	3.64	4.38	5.00	5.90	7.27	8.34		2.0	
060	○	○	○	70	75	65	2.51	3.18	4.37	5.26	6.00	7.08	8.72	10.0	520	2.0	

HOW TO ORDER

To inquire about or order a specific nozzle please refer to this coding system.

① Complete Assembly

Example: 1/8M INJJX 040 PP (FEPM) + PP

1/8M	INJJX	040	PP (FEPM) +	PP
Pipe conn. size*		Spray capacity code	Nozzle tip material (packing: FEPM)	Adaptor material
1/8M		010		PP
1/4M		015		PPS
3/8M		060		(Color-coded by material)

② Nozzle Tip Only (including packing and whirler)

Example: INJJX 040 PP (FEPM)

INJJX	040	PP (FEPM)
	Spray capacity code	Nozzle tip material (packing: FEPM)
	010	
	015	
	060	

③ Adaptor is available for purchase separately.

④ You can change a nozzle tip to a plug tip if needed.
See page 22 for Quick-detachable IN PLUG series.

**"M" indicates male thread ("R" of the ISO standard), e.g. 1/8M = R1/8.

ALSO AVAILABLE!

Quick-detachable
Standard
Flat Spray Nozzles

INVV SERIES

See page 21 of this catalog.

Stainless steel
quick-detachable

INJJX-SS SERIES

See page 63 of this catalog.