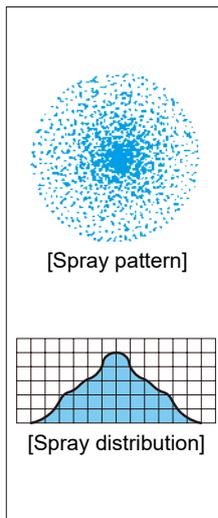


Quick-detachable Full Cone Spray Nozzles

INJJX-Y



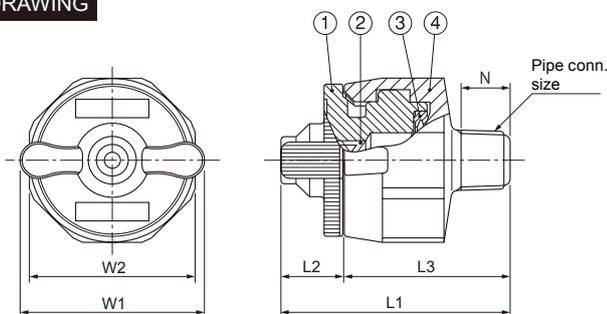
FEATURES

- Full cone spray pattern with high density of spray distribution at its center.
- High impact nozzles providing high etch factor.
- Quick-detachable design helps to significantly reduce maintenance time. Whirler inside a nozzle is removable.
- Spray distribution is stable even when the spray pressure is changed.
- Nozzle tips are color-coded by spray capacity for easy identification.

APPLICATIONS

Etching of lead frames,
Etching of flexible PCBs used for tape-automated bonding (TAB),
High-precision etching

DRAWING



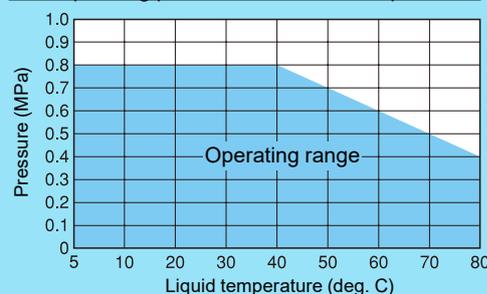
① Nozzle tip ② Whirler ③ Packing ④ Adaptor

STRUCTURE

- Two-piece structure including a nozzle tip, with whirler and packing, and an adaptor.
- Easy installation and removal of a nozzle tip with a twist of about 60°.

MATERIAL Nozzle tip and whirler: PP, Packing: FEPM
Adaptor: PP or PPS

Max. operating pressures at various temperatures



Use within the operating range.

DIMENSIONS

Pipe conn. size	Dimensions (mm)						Weight (g)	
	L1	L2	L3	W1	W2	N	PP	PPS
R1/8	37	10	26.5	30	27	8	9.2	12
R1/4	40	10	29.5	30	27	11.5	9.6	13
R3/8	40	10	29.5	30	27	12	10.5	14

Note: Appearance and dimensions may differ slightly depending on material and spray capacity code.

PERFORMANCE DATA

Spray capacity code	Pipe connection size			Spray angle (°)			Spray capacity (L/min)							Mean droplet diameter (μm)	Free passage diameter (mm)	Nozzle tip color
	R1/8	R1/4	R3/8	0.05 MPa	0.2 MPa	0.5 MPa	0.05 MPa	0.1 MPa	0.15 MPa	0.2 MPa	0.3 MPa	0.5 MPa	0.7 MPa			
010Y	○	○	○	54	65	64	0.53	0.73	0.88	1.00	1.18	1.45	1.67	290	0.8	Green
015Y	○	○	○	54	65	64	0.79	1.09	1.32	1.50	1.77	2.18	2.50		1.0	
020Y	○	○	○	54	65	64	1.06	1.46	1.75	2.00	2.36	2.91	3.34	}	1.5	Grey
025Y	○	○	○	54	65	64	1.32	1.82	2.20	2.50	2.95	3.62	4.17		1.5	
030Y	○	○	○	54	65	64	1.59	2.18	2.63	3.00	3.54	4.36	5.00	}	1.5	Blue
040Y	○	○	○	54	65	64	2.10	2.90	3.50	4.00	4.79	6.01	6.98		}	
050Y	○	○	○	54	65	64	2.62	3.62	4.37	5.00	5.99	7.51	8.73	520		2.0

HOW TO ORDER

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

1) Complete Assembly

Example: 1/4M INJJX 010Y PP (FEPM) + PP

1/4M INJJX 010Y PP (FEPM) + PP

Pipe conn. size*	Spray capacity code	Adaptor material
<input type="checkbox"/> 1/8M <input type="checkbox"/> 1/4M <input type="checkbox"/> 3/8M	<input type="checkbox"/> 010Y <input type="checkbox"/> } <input type="checkbox"/> 050Y	<input type="checkbox"/> PP <input type="checkbox"/> PPS

2) Nozzle Tip Only (packing & whirler included)

Example: INJJX 040Y PP (FEPM)

INJJX 040Y PP (FEPM)

Spray capacity code
<input type="checkbox"/> 010Y <input type="checkbox"/> } <input type="checkbox"/> 050Y

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