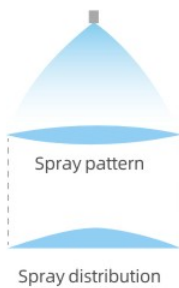
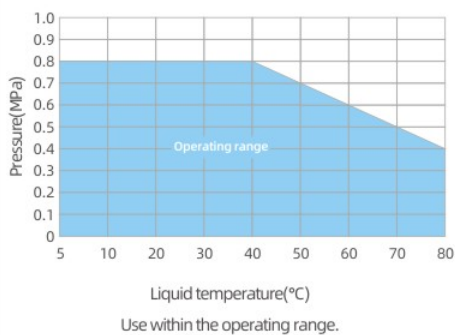


J-A561 Plastic/PVDF Nozzle



Maximum pressures at various temperatures



// Features

- Flat spray pattern with a mountain-shaped spray distribution and gradually tapered edges.
- 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.
- Adaptors are color-coded by material: gray for PP and black for PPS.(PVDF adaptor is only available on a made-to-order basis.)

// STANDARD PRESSURE

- 0.3MPa

// APPLICATIONS

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

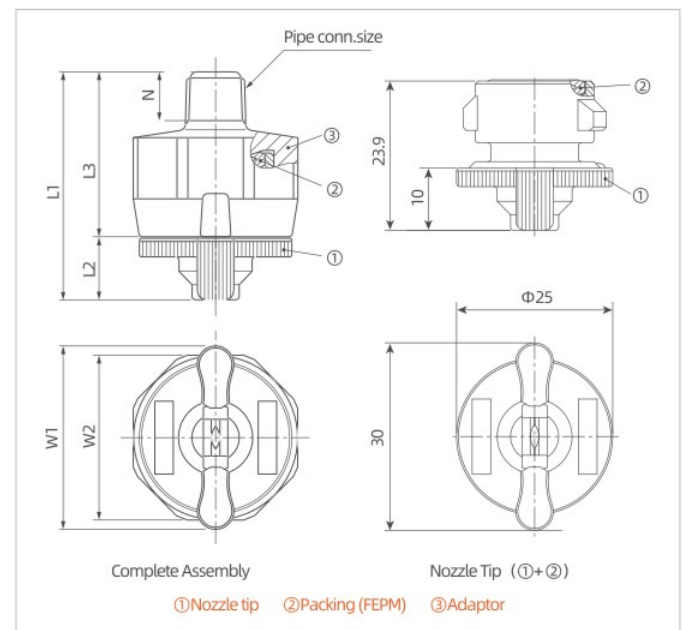
Unit : mm

Structure	• Two-piece structure including a nozzle tip with packing and an adaptor. • Easy installation and removal of the nozzle tip with a twist of about 60°.
Material	• Nozzle tip: 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	
R1/8	37	10	27	30	27	8	9	12
R1/4	40	10	30	30	27	11.5	10	13
R3/8	40	10	30	30	27	12	11	14

// Note

- INVV series nozzles are not compatible with the discontinued ISVV series.
- Appearance and dimensions may differ slightly depending on material and nozzle code.
- The tabs (wings) are in line with the flat spray spread direction.



Spray angle code	Spray capacity code	Pipe connection size			Spray angle (°)			Spray capacity (L/min)							Mean drop. dia. (µm)	Free pass. dia. (mm)	Nozzle tip color
		R1/8	R1/4	R3/8	0.15 MPa	0.3 MPa	0.7 MPa	0.05 MPa	0.1 MPa	0.15 MPa	0.2 MPa	0.3 MPa	0.5 MPa	0.7 MPa			
115	05	○	○	○	102	115	124	—	0.29	0.35	0.41	0.50	0.65	0.76	160	0.3	
	07	○	○	○	103	115	124	—	0.40	0.49	0.57	0.70	0.90	1.07		0.3	
	10	○	○	○	103	115	124	0.41	0.58	0.71	0.82	1.00	1.29	1.53		0.4	
	15	○	○	○	104	115	123	0.61	0.87	1.06	1.23	1.50	1.94	2.29		0.5	
	20	○	○	○	104	115	123	0.82	1.15	1.41	1.63	2.00	2.58	3.06	200	0.6	
	30	○	○	○	105	115	122	1.23	1.73	2.12	2.45	3.00	3.88	4.58		0.8	
	40	○	○	○	106	115	122	1.63	2.31	2.83	3.27	4.00	5.16	6.11		0.8	
	50	○	○	○	106	115	122	2.04	2.89	3.54	4.08	5.00	6.46	7.64		0.9	
90	05	○	○	○	77	90	100	—	0.29	0.35	0.41	0.50	0.65	0.76	170	0.3	
	07	○	○	○	78	90	100	—	0.40	0.49	0.57	0.70	0.90	1.07		0.4	
	10	○	○	○	78	90	99	0.41	0.58	0.71	0.82	1.00	1.29	1.53		0.5	
	15	○	○	○	79	90	99	0.61	0.87	1.06	1.23	1.50	1.94	2.29		0.6	
	20	○	○	○	79	90	98	0.82	1.15	1.41	1.63	2.00	2.58	3.06	200	0.7	
	30	○	○	○	80	90	97	1.23	1.73	2.12	2.45	3.00	3.88	4.58		0.9	
	40	○	○	○	81	90	97	1.63	2.31	2.83	3.27	4.00	5.16	6.11		1.1	
	50	○	○	○	81	90	97	2.04	2.89	3.54	4.08	5.00	6.46	7.64		1.2	
65	05	○	○	○	52	65	74	—	0.29	0.35	0.41	0.50	0.65	0.76	190	0.4	
	07	○	○	○	53	65	74	—	0.40	0.49	0.57	0.70	0.90	1.07		0.5	
	10	○	○	○	54	65	73	0.41	0.58	0.71	0.82	1.00	1.29	1.53		0.6	
	15	○	○	○	54	65	73	0.61	0.87	1.06	1.23	1.50	1.94	2.29		0.8	
	20	○	○	○	55	65	72	0.82	1.15	1.41	1.63	2.00	2.58	3.06	200	0.9	
	30	○	○	○	56	65	72	1.23	1.73	2.12	2.45	3.00	3.88	4.58		1.1	
	40	○	○	○	56	65	71	1.63	2.31	2.83	3.27	4.00	5.16	6.11		1.3	
	50	○	○	○	57	65	71	2.04	2.89	3.54	4.08	5.00	6.46	7.64		1.5	
50	05	○	○	○	38	50	59	—	0.29	0.35	0.41	0.50	0.65	0.76	210	0.4	
	07	○	○	○	38	50	58	—	0.40	0.49	0.57	0.70	0.90	1.07		0.5	
	10	○	○	○	40	50	58	0.41	0.58	0.71	0.82	1.00	1.29	1.53		0.6	
	15	○	○	○	40	50	57	0.61	0.87	1.06	1.23	1.50	1.94	2.29		0.8	
	20	○	○	○	41	50	57	0.82	1.15	1.41	1.63	2.00	2.58	3.06	200	1.0	
	30	○	○	○	42	50	56	1.23	1.73	2.12	2.45	3.00	3.88	4.58		1.2	
	40	○	○	○	42	50	56	1.63	2.31	2.83	3.27	4.00	5.16	6.11		1.4	
	50	○	○	○	43	50	55	2.04	2.89	3.54	4.08	5.00	6.46	7.64		1.6	

HOW TO ORDER

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

① Complete Assembly

Example: 1/8M INVV 9030 PP(FEPM)+PP

Pipe conn. Size*	Spray angle code	Spray capacity code	Nozzle tip material (packing:FEPM)	Adaptor material and color
1/8M	115	05	PP (FEPM) +	PP
1/4M	20	30		PPS
3/8M	50	50		

③Adaptor is available for purchase separately.

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

② Nozzle Tip Only (with packing)

Example: INVV 9030 PP(FEPM)

Pipe conn. Size*	Spray angle code	Spray capacity code	Nozzle tip material (packing:FEPM)
INVV	90	30	PP (FEPM)
	115	05	
	20	30	
	50	50	

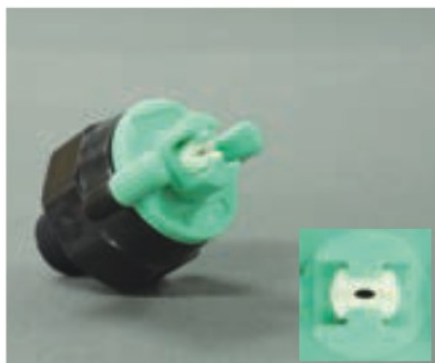
ALSO AVAILABLE!

Quick-Detachable
Off-Center Even Flat
Spray Nozzles
NOVVE SERIES
See page 28 for more details.

Quick-Detachable
Full Cone
Spray Nozzles
INJX SERIES
See page 72 for more details.

Note: If a plug tip is required instead of a nozzle tip, see page 27 for the quick-detachable IN PLUG series

Custom Order Example Featuring Ceramic Orifice



In applications where wear resistance is required due to the sprayed liquid, a customized solution, such as using ceramic for the nozzle orifice, may be considered. Contact us for more details.

Key Points:

- Features a high-purity alumina ceramic orifice in the nozzle tip.
- Improved wear resistance for longer service life and reduced replacement frequency.
- One-piece molded design without adhesive for superior chemical resistance.