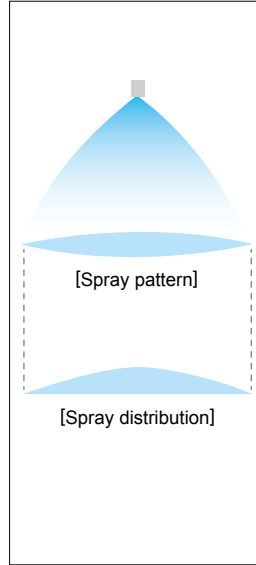
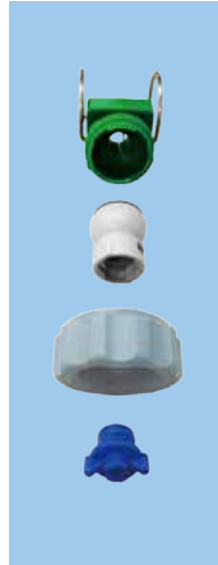


Quick-Installation Nozzles

INQB

Flat Spray



- Flat spray pattern with a mountain-shaped spray distribution and gradually tapered edges.
- Easy to install. Just drill a hole (Ø14.3–14.8 mm) into the pipe and insert the nozzle.
- The ball joint allows the spray direction adjustable within 50 degrees as desired.
- Nozzle tips are color-coded by spray capacity for easy identification.
- Adaptors are also color-coded by size.
- O-ring seals between the pipe and adaptor for pressures of up to 0.4 MPa.
- An optional spring lock is available to secure fixation.

[STANDARD PRESSURE]

0.3 MPa

[APPLICATIONS]

Pre-treatment for painting of cars, electric appliances for the home

Cleaning: water rinse after acid treatment of steel plates, water rinsing process in food factory

Structure	<ul style="list-style-type: none"> • Includes a nozzle tip, ball section, and adaptor. Worn-out nozzle tips can be replaced separately.
Material	<ul style="list-style-type: none"> • Main parts: FRPP • Nozzle tip: PP • Packing: FEPM • O-ring: NBR • Spring clip and lock: S304

[QB for metal pipes]

Pipe size (inch) ^{*1}	Color of adaptor	Dimensions (mm)						Weight ^{*3} (g)
		L1 ^{*2}	L2	L3	L4	øD1	øD2	
1		111	93	76	59	34	48	54
1 1/4		121	102	80	59	42.7	48	55
1 1/2		126	108	83	59	48.6	48	56
2		138	120	89	59	60.5	48	58

*1) Use stainless steel pipes compliant with JIS G 3459.

*2) Without optional spring lock, L1 is reduced by 2 mm.

*3) With optional spring lock, add 5–7 g to the listed weight.

[QB for PVC pipes]

Pipe size (ND) ^{*4}	Color of adaptor	Dimensions (mm)						Weight ^{*3} (g)
		L1 ^{*2}	L2	L3	L4	øD1	øD2	
25A		109	91	75	59	32	48	54
30A		115	97	78	59	38	48	54
40A		126	108	83	59	48.6	48	56
50A		138	120	89	59	60.5	48	58

*2) Without optional spring lock, L1 is reduced by 2 mm.

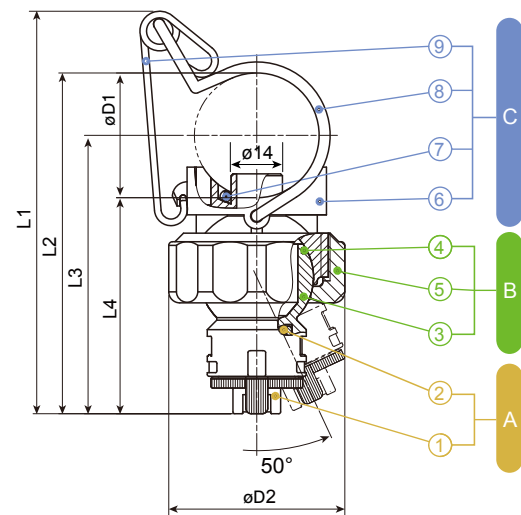
*3) With optional spring lock, add 5–7 g to the listed weight.

*4) Use PVC pipes compliant with JIS K 6742.

40A, 50A adaptors for PVC pipes are the same as 1 1/2", 2" adaptors for metal pipes.

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

DRAWING



(A) Nozzle Tip (①Nozzle tip [PP] ②Packing [FEPM])

(B) Ball Section (③Ball adaptor ④O-ring [NBR] ⑤Cap)

(C) Adaptor (⑥Adaptor ⑦O-ring [NBR] ⑧Spring clip ⑨Spring lock^{*5})

*5) ⑨ is optional at extra cost.

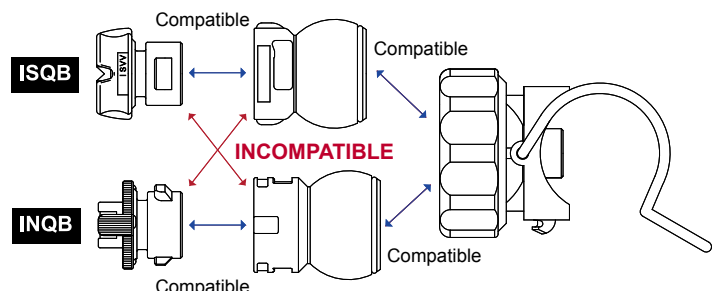
Nozzle tips of INVV and INJJX series are compatible with the INQB series. ISVV/ISJJX series are NOT compatible.























Model Change: From QB (ISQB) Series to INQB Series

We have upgraded our quick-installation nozzles to the new INQB series.

Note: While the main adaptor (#6) and ball adaptor (#3) are compatible between the old and new models, the ball adaptors and nozzle tips are NOT interchangeable, as shown in the diagram.

For more information, please contact us.



Spray angle code	Spray capacity code	Pipe size		Spray capacity (L/min)				Mean droplet diameter (μm)	Free passage diameter (mm)	Nozzle tip color
		(inch)	(ND)	0.1 MPa	0.2 MPa	0.3 MPa	0.4 MPa			
80	80	1, 1 1/4 (1*1/4), 1 1/2 (1*1/2), or 2	25A, 30A, (40A), or (50A)	4.62	6.53	8.00	9.24	430	1.7	
	100			5.77	8.16	10.0	11.5		1.9	
	120			6.93	9.80	12.0	13.9		2.1	
	160			9.24	13.1	16.0	18.5		2.5	
	180			10.4	14.7	18.0	20.8		2.7	
	200			11.5	16.3	20.0	23.1	}	2.9	
	240			13.9	19.6	24.0	27.7		3.2	
	280			16.2	22.9	28.0	32.3		3.5	
	390			22.5	31.8	39.0	45.0		4.4	
								610		
65	80			4.62	6.53	8.00	9.24	460	1.9	
	100			5.77	8.16	10.0	11.5		2.1	
	120			6.93	9.80	12.0	13.9		2.4	
	160			9.24	13.1	16.0	18.5		2.8	
	180			10.4	14.7	18.0	20.8	}	2.9	
	200			11.5	16.3	20.0	23.1		3.2	
	240			13.9	19.6	24.0	27.7		3.5	
	280			16.2	22.9	28.0	32.3		3.8	
	390			22.5	31.8	39.0	45.0		4.7	
								650		
40	120			6.93	9.80	12.0	13.9	560	2.8	
	160			9.24	13.1	16.0	18.5		3.2	
	180			10.4	14.7	18.0	20.8	}	3.5	
	280			16.2	22.9	28.0	32.3		4.4	

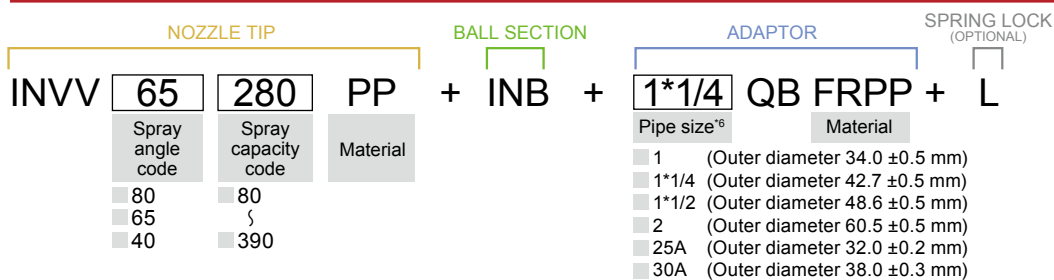
**CAUTIONS****Maximum operating pressure is 0.4 MPa.**

Do not use under conditions where sudden or drastic changes in water pressure may occur.

HOW TO ORDER

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

Example: INVV 65280 PP + INB + 1*1/4 QB FRPP + L



*6) • Please check the dimensions of øD1 (page 25).

• Order 1*1/2 adaptor for 40A (pipe OD 48.0 ±0.3 mm), and 2 adaptor for 50A (pipe OD 60.0 ±0.4 mm).

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