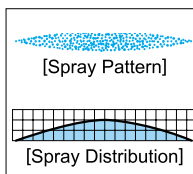




[Features]

- Flat spray pattern with stable distribution having tapered spray pattern edges.
- Quick installation just by drilling a hole on a pipe and inserting a nozzle.
- Adaptors, color-coded by size, are available in 1", 1¼", 1½" and 2".
- O-ring seals between pipe and adaptor for pressures up to 0.4MPa.
- Adjust spray direction within 50 degrees as desired.
- Spray tips are color-coded by spray capacity for easy identification.
- Caps are interchangeable for all sizes.
- Easy maintenance with quickly detachable nozzle.
- Double locked by fitting spring lock (option).



[Standard Pressure]

0.3MPa

[Applications]

Pre-treatment for painting : Car, home electric appliances.
Cleaning : water rinsing after acid treatment of metal sheets, water rinsing process in food factory.

QB-series

QB-series	
Structure	• Comprises three parts : Nozzle, ball and adaptor. • Worn-out nozzle can be replaced separately.
Material	• Nozzle : FRPP (glass-fiber reinforced polypropylene) • Ball, cap and adaptor : FRPP (glass-fiber reinforced polypropylene) • Packing : FEPM • O-ring : NBR • Spring clip and spring lock : S304 (stainless steel 304)

[QB for metal pipes]

Series	Pipe Size (inch)	Color of Adaptor	Dimensions(mm)						Mass (g)
			ℓ ₁	ℓ ₂	ℓ ₃	ℓ ₄	φd	w	
QB	1		105	89	72	55	34	φ 48	61
	1¼		114	97.7	76.4	55	42.7	φ 48	
	1½		120	103.6	79.3	55	48.6	φ 48	
	2		132	115.5	85.3	55	60.5	φ 48	

* Pipes should be stainless steel pipes compliant with JIS G 3459.

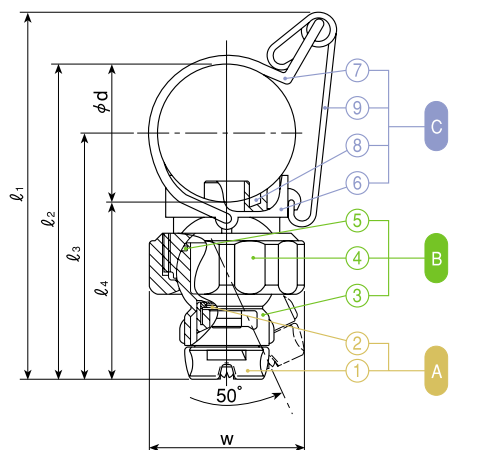
[QB for PVC pipes]

Series	Pipe Size (ND)	Color of Adaptor	Dimensions(mm)						Mass (g)
			ℓ ₁	ℓ ₂	ℓ ₃	ℓ ₄	φd	w	
QB	25A		103	87	71	55	32	φ 48	61
	30A		109	93	74	55	38	φ 48	
	40A		120	103.6	79.3	55	48.6	φ 48	
	50A		132	115.5	85.3	55	60.5	φ 48	

* Pipes should be PVC pipes compliant with JIS K 6742.

* 40A, 50A adaptor for PVC pipes are the same as 1½", 2" adaptor for metal pipes.

[Note] Appearance and dimensions may differ slightly depending on materials and nozzle codes.



Ⓐ Nozzle	(1) Nozzle	(2) Packing-FEPM
Ⓑ Ball	(3) Ball	(4) Cap
Ⓒ Adaptor	(5) O-ring-NBR	(6) Adaptor
	(7) Spring clip	(8) O-ring-NBR
	(9) Spring lock *	

* ⑨ is an optional extra.

Spray Angle Code (at 0.3MPa)	Spray Capacity Code	Color of Nozzle	Pipe Size (inch)	Spray Capacity (ℓ/min)			
				0.1 MPa	0.2 MPa	0.3 MPa	0.4 MPa
80°	80		1	4.62	6.53	8.00	9.24
	100		25A	5.77	8.16	10.0	11.5
	120			6.93	9.80	12.0	13.9
	160		1¼	9.24	13.1	16.0	18.5
65°	180		30A	10.4	14.7	18.0	20.8
	200			11.5	16.3	20.0	23.1
	240		1½(40A)	13.9	19.6	24.0	27.7
40°	280			16.2	22.9	28.0	32.3
	390		2(50A)	22.5	31.8	39.0	45.0

[Note] INVV and INJX series nozzles (p.21, p.63) cannot be attached to QB series.



CAUTIONS

Maximum operating pressure is 0.4MPa.

* Do not use under conditions where water hammer or sudden change of water pressure may occur.

How to order

Please inquire or order for a specific nozzle using this coding system.

〈Example〉...ISVV65280FRPP+ISB+1¼QBFRRP+L

NOZZLE PART			BALL PART	ADAPTOR PART		SPRING LOCK (OPTION)
ISVV	65	280	FRPP + ISB +	1¼	QB FRPP + L	
Spray Angle Code		Spray Capacity Code		Pipe Size *		
40°		80		1" (Outer diameter 34.00 ±0.5mm)		
65°		5		25A (Outer diameter 32.00 ±0.5mm)		
80°		390		1¼" (Outer diameter 42.7 ±0.5mm)		
				30A (Outer diameter 38.00 ±0.5mm)		
				1½" (Outer diameter 48.6 ±0.5mm)		
				2" (Outer diameter 60.5 ±0.5mm)		

*[Note] 1. Please refer to the dimensions of ϕd (outer diameter).
2. Specify 1½" adaptor for 40A, and 2" adaptor for 50A here.

Related Products



BAA+QB series

Features

- A new air washer (air conditioning humidification) nozzle made by combining the angle type nozzle with QB series.
- Easy installation. Just open an orifice (ø14.3mm) into existing piping, then insert the nozzle.
- Includes a spring lock to firmly secure the nozzle in place.
- Clog-resistant structure.