

High Speed 2 Port Valve

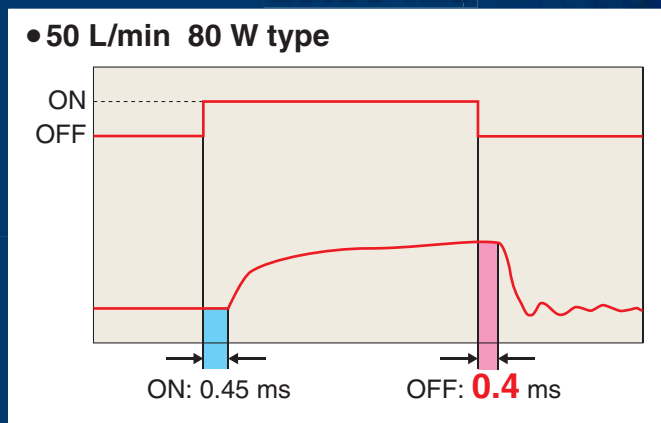


High speed response

ON **0.45 ms**
±0.05 ms

OFF **0.4 ms**
±0.05 ms

9mm Width



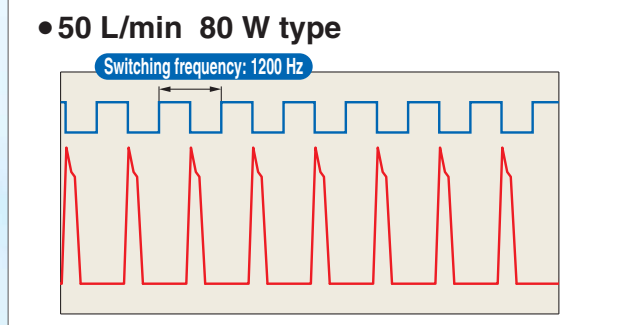
* The response time is measured based on SMC test conditions. (Not guaranteed values)

Long service life: 5 billion cycles or more

SMC's original valve and coil structure realizes a longer product life and requires less maintenance frequency.
(50 L/min type, 24 VDC, 0.25 MPa. Based on SMC life test conditions.)

High frequency: 1200 Hz

Good followability and response to successive electrical signal input. Continuous operation possible.



2 mounting types

Quick disconnect type

Screw mount type



The manifold base should be prepared by users.

Low power consumption: 4 w

Continuous energization for extended periods is possible.

Series SX10



EMC-NPP.ES70-53A-UK

Compact and Space-saving * The manifold base should be prepared by users.

Manifold minimum mounting pitch **9.5 mm**



Actual size

Width **9 mm**

Height **30.4 mm**



Actual size

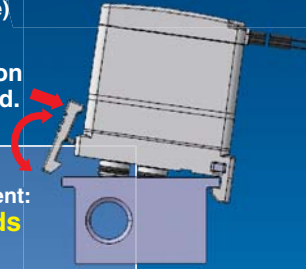
(Screw mount type)

Reduction in installation labour (Quick disconnect type)
Coil temperature rise: 5°C (4 W type)
Filter attached type available

Can be mounted/removed in one action and no tools required.

Required time for attachment/detachment: **Approx. 5 seconds** (per unit)

Reduces installation time for multiple numbers of valves.



(4 W type)

Power consumption	Temperature rise
4 W type	5°C
10 W type	14°C

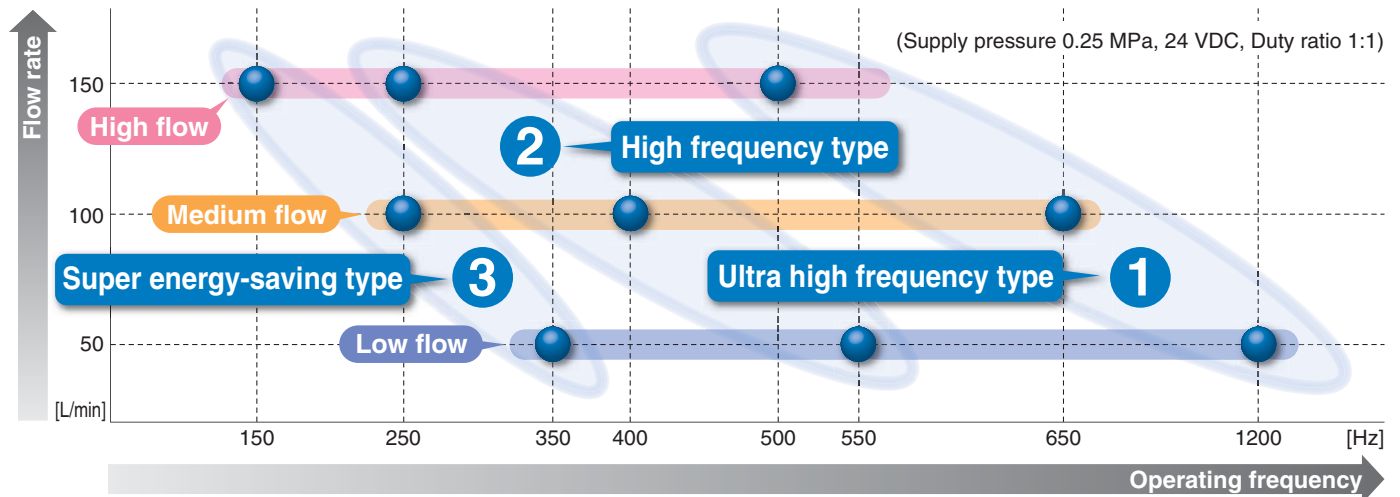
During continuous operation at 24 VDC, 0.25 MPa, 300 Hz



Filter is mounted to port 1 (IN).
 Filter is mounted to port 1 (IN) for quick disconnect type as well.

Variations/Purpose of Usage (Guide)

Flow Rate/Operating Frequency



Specifications	Driver	Continuous energization	Power consumption	OFF response time		
				50 L/min	100 L/min	150 L/min
① Ultra high frequency type 500 to 1200 Hz	For power saving driver.	—	80 W, 40 W	0.4 ms	0.55 ms	0.75 ms
② High frequency type 250 to 550 Hz	Control driver is not necessary.	(Note)	10 W	0.4 ms	0.55 ms	0.75 ms
③ Super energy-saving type 150 to 350 Hz	Control driver is not necessary.	Possible	4 W	0.4 ms	0.55 ms	0.75 ms

(Note) Please consult with SMC for continuous energization.

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