Pneumatic actuator
Pneumatic cylinders
Hand/Chuck
Related products
Cylinder Switch
Vacuum components
Pneumatic valves
Pneumatic auxiliary components
Clean air components
Speed controller
Fitting
Auxiliary valve
Silencer
Tube
Gas generator
Fluid control components
Electric actuator
Motor specification
Motorless specifications

Exhaust cleaner

FA Series

Exhaust noise and oil mist have been minimized.
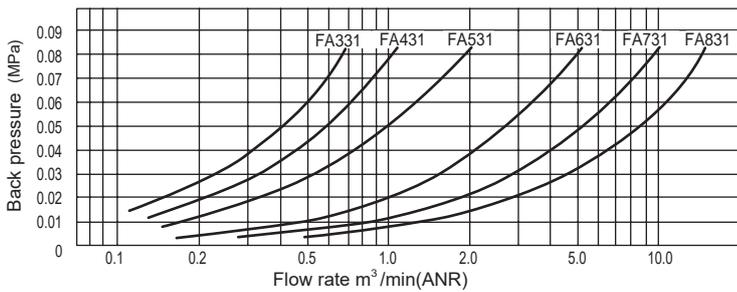● Port size: Rc3/8 to Rc2

JIS symbol

P4 compliant as standard

RoHS CAD

Pneumatic, Vacuum and Auxiliary Components
Catalog No. CB-024SA

Specifications

Item		FA331-10A	FA431-15A	FA531-20A	FA631-25A	FA731-40A	FA831-50A
Port size	Rc	$^3/_8$	$^1/_2$	$^3/_4$	1	$1^1/_2$	2
Effective cross-sectional area	mm^2	16	33	55	165	330	550
Max. processing flow rate m^3/min (ANR)		0.3	0.6	1	3	6	10
Fluid temperature		5 to 65°C (no freezing)					
Ambient temperature		0 to 65°C (no freezing)					
Noise reduction effect		35 dB and over (at the max. processing flow rate in oil saturated state)					
Oil mist collection efficiency		99.9% and over					
Oil storage capacity cm^3		80	130	150	250	350	550
Weight	kg	0.2	0.3	0.4	0.6	1.1	1.5
Bracket No. (option)		B351-10A	B451-15A	B551-20A	B651-25A	-	-

Flow characteristics

Selection guide

Select an exhaust cleaner based on the air consumption in the circuit being used.
(1) Calculate the air consumption for the actuator being used.
(2) Multiply the calculated air consumption by 1.4.
(3) Select a model that has a flow rate exceeding the air consumption multiplied by 1.4.
The figure below shows the air consumption when multiplied by 1.4 for each air cylinder size. Use this graph to select a model.

Compatibility table by variation

	FA	
Port size	Rc3/8 to 2	
P4	Standard compliance	

●: Applicable models
○: Semi-applicable models
▲: Contact CKD for details.
▨: Not applicable

How to order

FA **3** **31** - **10A** - **B**

Exhaust cleaner

Ⓐ Series code

Ⓑ Port size *1

Ⓒ Option *2

Code	Description
Ⓐ Series code	
3	Compact
4	Standard
5	Large
6	Large
7	Large bore size
8	Large bore size

Ⓑ Port size							
	Series	3	4	5	6	7	8
10A	Rc$^3/_8$	●					
15A	Rc$^1/_2$		●				
20A	Rc$^3/_4$			●			
25A	Rc1				●		
40A	Rc1$^1/_2$					●	
50A	Rc2						●

Ⓒ Option							
Blank	Not included	●	●	●	●	●	●
B	Bracket	●	●	●	●		

⚠ Precautions for model No. selection
*1: If port size NPT thread is required, do not indicate nominal size A. (Example) FA431-15
*2: Bracket option is not available for FA731 and FA831
*3: P4 compliant as standard.

(Working pressure 0.5 MPa)