



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

Inline clean filter

FCS500/FCS1000 Series

● Port size: Rc1/8, Rc1/4

JIS symbol



P4 compliant
as standard



P4
Series

Pneumatic actuator
Pneumatic cylinders
Hand/Chuck
Related products
Cylinder
Switch

Vacuum components
Pneumatic valves

Clean air components
Pneumatic auxiliary components
Speed controller
Fitting
Auxiliary valve
Silencer
Tube

Gas generator
Fluid control components

Electric actuator
Motor
Motorless specification

Specifications

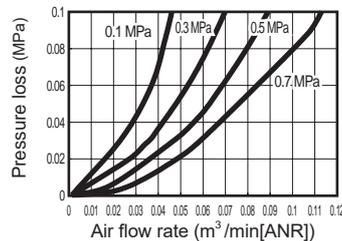
Item	Stainless steel		Stainless steel (made to order)
	FCS500-66-P90 FCS500-66-P94	FCS500-88-P90 FCS500-88-P94	FCS1000-(*) (*2)-P90 FCS1000-(*) (*2)-P94
Working fluid	Compressed air, N ₂		
IN side bore size (*1)	Rc1/8	Rc1/4	Select from Rc1/4 and Rc3/8
OUT side bore size (*2)	Rc1/8	Rc1/4	
Proof pressure MPa	2.25 (Compressed air), 1.5(N ₂)		
Differential resistant pressure MPa	0.5		
Working pressure MPa	-0.095 to 1.5 (Compressed air), -0.095 to 0.99 (N ₂)		
Ambient/fluid temperatures °C	5 to 45		
Degree of filtration μm	0.01 (Removal efficiency 99.99%)		
Processing flow rate ℓ/min (ANR) *1	50	80	300 to 400 *1
Weight g	100	100	500
Material	Body	Stainless steel	
	Case	Stainless steel	
	Element	Polypropylene + urethane	
Assembling/inspection/packageing	Integrated production in cleanroom		
Cleaning	Degreasing		

*1: Initial flow rate at primary pressure 0.7 MPa and pressure drop 0.03 MPa.

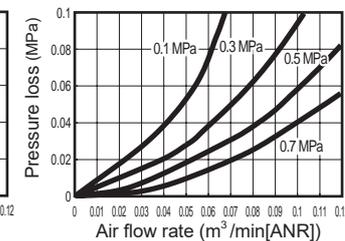
*2: Maximum working pressure varies with working temperature. Check graphs showing the relationship of working temperature and maximum working pressure.

Flow characteristics

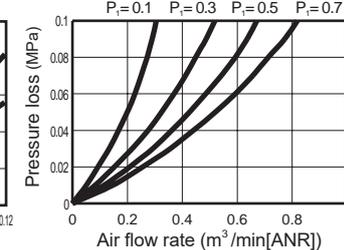
● FCS500-66-P90, P94



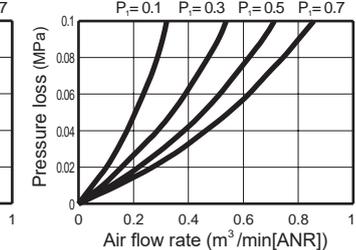
● FCS500-88-P90, P94



● FCS1000-88-P90, P94



● FCS1000-1010-P90, P94



● Stainless steel

FCS500 - 88 - B - P90

Model No. (Clean-room specifications)
(oil-prohibited specifications)

A Port size

B Attached

C Clean-room specifications

A Port size

66	IN side/OUT side port size Rc1/8
88	IN side/OUT side port size Rc1/4

B Attached

Blank	No
B	Bracket, mounting screw

C Clean-room specifications

	Structure/treatment	Material restrictions
P90	Stainless steel material used Oil-free treatment	-
P94	Stainless steel material used Oil-free treatment	Use of copper-, silicon-, or halogen-based materials (e.g. fluorine, chlorine, or bromine) is not possible.

Note: " P94 " is made to order.

FCS1000 - 8 8 - P90

Model No. (Clean-room specifications)
(oil-prohibited specifications)

A IN side port size

B OUT side port size

C Clean-room specifications

A IN side port size

8	Rc1/4
10	Rc3/8

B OUT side port size

8	Rc1/4
10	Rc3/8

C Clean-room specifications

	Structure/treatment	Material restrictions
P90	Stainless steel material used Oil-free treatment	-
P94	Stainless steel material used Oil-free treatment	Use of copper-, silicon-, or halogen-based materials (e.g. fluorine, chlorine, or bromine) is not possible.

Note: " P94 " is made to order.