

In-line Air Filter

ZFC Series

RoHS

How to Order

ZFC **5** **4** - **B** -

Body size

Symbol	Body size	Filtration area
1	5 L/min	140 mm ²
3	10 L/min	470 mm ²
5	20 L/min	750 mm ²
7	100 L/min	1260 mm ²

Applicable tubing O.D.

Metric size

Symbol	Applicable tubing O.D.	ZFC1	ZFC3	ZFC5	ZFC7
1	ø2	●	—	—	—
2	ø3.2	●	●	—	—
3	ø4	—	●	●	—
4	ø6	—	—	●	●
5	ø8	—	—	—	●
6	ø10	—	—	—	●
7	ø12	—	—	—	●

Inch size

A	ø1/8"	●	●	—	—
B	ø5/32"	—	●	●	—
D	ø1/4"	—	—	●	●
E	ø5/16"	—	—	—	●
F	ø3/8"	—	—	—	●

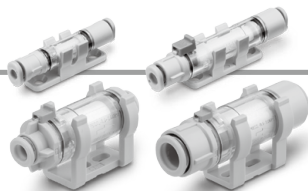
Made to order

Refer to page 809 for details.

Symbol	Specifications
X01	Different diameters (IN side < OUT side)
X02	Different diameters (IN side > OUT side)
X03	Blue element
X04	Filtration: 10 µm
X05	FKM/Oil free (Seal)
X06	Nylon

Option

Nil	None
B	With bracket



Specifications

Model		ZFC1□		ZFC3□		ZFC5□		ZFC7□			
Port size (Applicable tubing O.D.)	Metric size	ø2	ø3.2	ø3.2	ø4	ø4	ø6	ø6	ø8	ø10	ø12
	Inch size	—	ø1/8"	ø1/8"	ø5/32"	ø5/32"	ø1/4"	ø1/4"	ø5/16"	ø3/8"	—
Fluid		Air, Nitrogen									
Operating pressure		-100 kPa to 1.0 MPa (at 20°C)									
Flow rate (Positive pressure) [L/min] *1		15	45	50	80	100	200	250	450	550	650
Flow rate (Vacuum pressure) [L/min]		2	5	7	10	10	20	30	70	80	100
Proof pressure [MPa]		1.5 (at 20°C)									
Operating and ambient temperature range [°C]		0 to 60									
Filtration [µm]		5 (Filtration efficiency 95%)									
Element replacement differential pressure [MPa]		0.1 (Vacuum pressure 20 kPa)									
Filtration area [mm ²]		140	470	750	1260						
Applicable tubing material		Nylon, Soft nylon, Polyurethane									
Weight [g]		2.5	4.5	10.5	20.0		25.0				
Internal capacity [cm ³]		0.5	1.7	4.5	6.0		7.0				
Total length [mm]		45.0	60.5	53.9	68.3		79.6				
Total width [mm]		8.5	11.2	19.0	23.6						
Bracket total length [mm]		10.0	11.5	23.0	27.3						
Case material		Polycarbonate									

*1 Flow rate (positive pressure) conditions: Supply pressure of 0.7 MPa, Pressure drop of 30 kPa

Max. Operating Pressure and Operating Temperature

