

Inline Filters VFI

Rated flow from 32 l/min to 66 l/min



Suitability for Industry Specific Applications

Applications

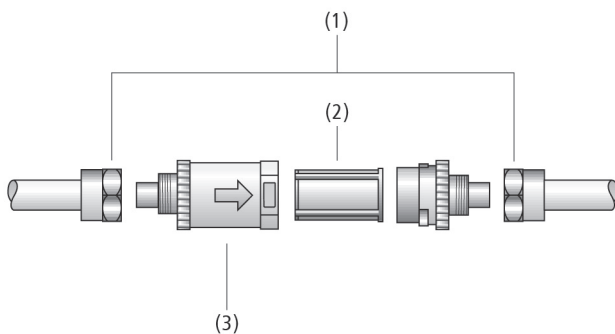
- Inline filter for use in vacuum systems with light to medium dirt levels
- Can be mounted on individual suction cups for the handling of dirty workpieces
- Simple hose connection



Inline Filters VFI

Design

- Nozzles with union nuts (1) on both ends for connection of hoses (internal hose diameter 4 and 6 mm); alternatively available with a push-in hose connection
- Transparent filter housing with arrow for indication of the flow direction (3)
- Filter head with knurled screw cap
- Slide-in filter element (2) made of transparent material for visual monitoring



System Design Inline Filters VFI



Mounting example inline filters VFI

Our Highlights...

- Fast and easily replaceable filter insert
- Indication of degree of contamination through transparent housing
- Simple hose connection
- Vacuum filter capable of withstanding short-term pressures of up to 7 bar

Your Benefits...

- Low operating costs, environmentally friendly product
- Fast identification allows efficient maintenance
- Quick installation
- Suitable for universal use in systems with vacuum and pressure

- Schmalz – The Company
- Vacuum Suction Cups
- Special Grippers
- Gripping Systems
- Clamping Systems
- Mounting Elements
- Vacuum Generators
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Designation Code Inline Filters VFI

VFI	-	CN6/4	-	50
1		2		3

1 – Abbreviated designation

Code	Version
VFI	VFI

2 – Diameter

Code	Diameter in mm
CN6/4	∅ CN6/4 (outside / inside)
CN8/6	∅ CN8/6 (outside / inside)
4/2	Quick action push-in coupling (∅ 4/2)
6/4	Quick action push-in coupling (∅ 6/4)

3 – Filter fineness

Code	Filter fineness in µm
50	50

Inline filter VFI is delivered as a ready-to-connect product.

Available spare parts: filter cartridge (filter insert)



Ordering Data Inline Filters VFI

Type	Part no.
VFI CN6/4 50	10.07.01.00241
VFI CN8/6 50	10.07.01.00245
VFI 4/2 50	10.07.01.00329
VFI 6/4 50	10.07.01.00328



Ordering Data Spare Parts Inline Filters VFI

Type*	Spare Parts	Part no.
VFI CN6/4 50	Filter insert (round)	FILT-EINS 50 10x21 VFI
VFI CN8/6 50	Filter insert (round)	FILT-EINS 50 16x23 VFI
VFI 4/2 50	Filter insert (round)	FILT-EINS 50 10x21 VFI
VFI 6/4 50	Filter insert (round)	FILT-EINS 50 16x23 VFI

*Packaging unit: 5 pieces



Technical Data Inline Filters VFI

Type	Filter pore size [µm]	Nominal flow rate [l/min]*	Nominal flow rate [m³/h]**	Max. vacuum [mbar]	Overpressure (max.) at 25° C [bar]	Overpressure (max.) at 50° C [bar]	Weight [g]
VFI CN6/4 50	50	32	1.92	-990	7	5	6
VFI CN8/6 50	50	66	3.96	-990	7	5	10
VFI 4/2 50	50	32	1.92	-990	7	5	6
VFI 6/4 50	50	66	3.96	-990	7	5	17

*In the case of a pressure drop of max. 40 mbar while gripping

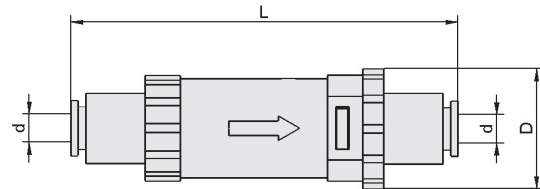
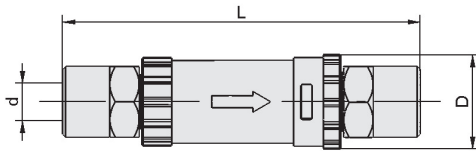
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Design Data Inline Filters VFI



VFI CN

VFI

Type	d [mm]	D [mm]	L [mm]
VFI CN6/4 50	6	16	61
VFI CN8/6 50	8	23	68
VFI 4/2 50	4	17	55
VFI 6/4 50	6	25	69

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