Flow control/silencer VFFK

Characteristics

At a glance

They enable the piston speed of cylinders or rotary drives to be regulated by throttling the air discharge.
The air discharge can be limited using the adjusting component. Thanks to the built-in silencer, the air hardly generates any noise during exhausting.

- With polymer silencer

Diagrams Link online

The diagrams shown in this document are also available online. These can be used to display precise values.

Type code

001	Series	
VFFK	Flow control/silencer	

002	Design	
C	Inline	

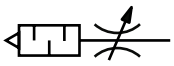
003	Adjusting component	
K	Knurled screw	

004	Pneumatic connection 1	
M5	M5	
M7	M7	
R14	R1/4	
R18	R1/8	

005	Additional features	
P	Polymer silencer	

Datasheet

General technical data



Pneumatic connection, port 1	M5	M7	R1/8	R1/4
Valve function	Sound pressure control function			
Adjustment component	Knurled screw			
Type of mounting	Screw-in			
Mounting position	optional			
Type of seal on screwed plug	Sealing ring		Coating	
Nominal torque	1.4	3.8	–	
Tolerance for nominal tightening torque	± 20%		–	
Standard flow rate 0.6->0 MPa (6->0 bar, 87->0 psi)	0 ... 80 l/min	0 ... 100 l/min	0 ... 270 l/min	0 ... 420 l/min

Operating and environmental conditions

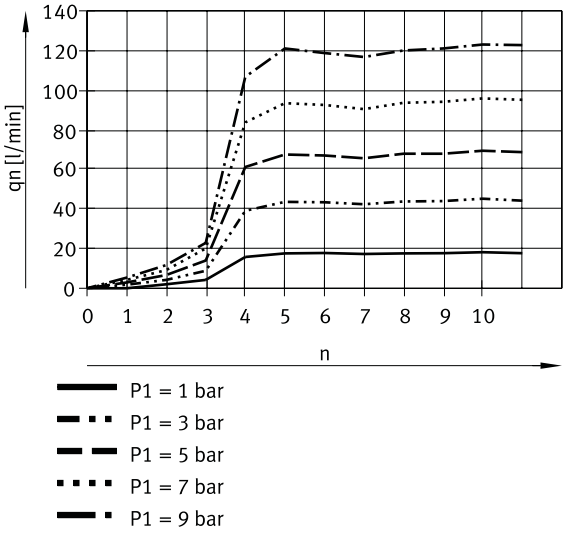
Operating pressure	0 ... 10 bar
Operating pressure complete temperature range	0 ... 10 bar
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible
Ambient temperature	0 ... 60°C
Media temperature	0 ... 60°C
Corrosion resistance class CRC [1)]	1 - Low corrosion stress

1) More information www.festo.com/x/topic/crc

Materials

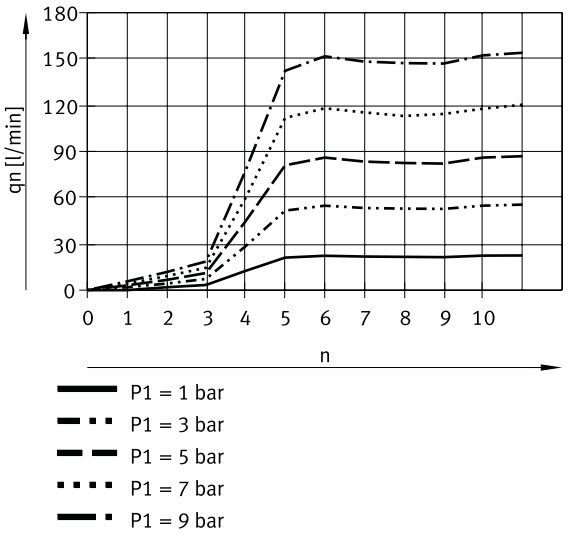
Material shock absorber insert	PE
Material screwed plug	Nickel-plated brass
Material adjusting screw	Nickel-plated brass
Note on materials	RoHS-compliant
LABS (PWIS) conformity	VDMA24364-B1/B2-L

Standard flow rate qn [l/min] as a function of spindle rotations n (VFFK-C-K-M5-P)

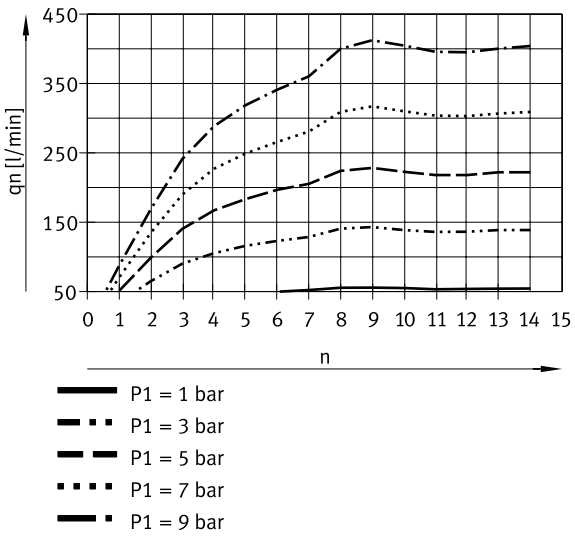


Datasheet

Standard flow rate qn [l/min] as a function of spindle rotations n (VFFK-C-K-M7-P)

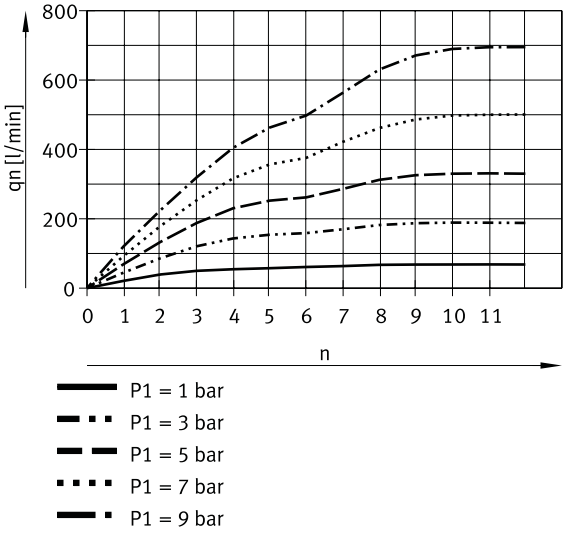


Standard flow rate qn [l/min] as a function of spindle rotations n (VFFK-C-K-R18-P)



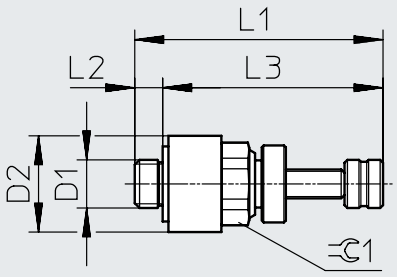
Datasheet

Standard flow rate qn [l/min] as a function of spindle rotations n (VFFK-C-K-R14-P)



Dimensions

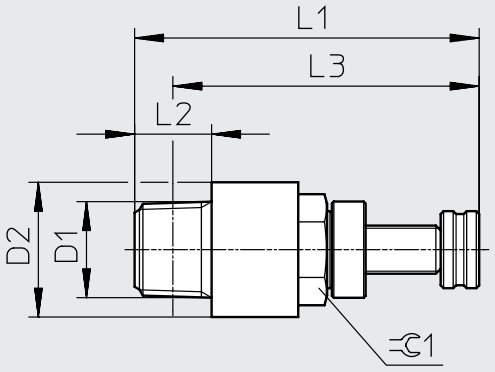
Dimensions – VFFK-C-K-M...-P Download CAD data www.festo.com



	D1	D2	L1		L2	L3		⊂1
		ø	min.	max.		min.	max.	
VFFK-C-K-M5-P	M5x0.8	10	20,6	23,4	3	17,6	20,4	8
VFFK-C-K-M7-P	M7x1	10	24,1	26,9	5,5	18,6	21,4	8

Dimensions

Dimensions – VFFK-C-K-R...-P Download CAD data www.festo.com



	D1	D2	L1		L2	L3		⊂1
		ø	min.	max.		min.	max.	
VFFK-C-K-R18-P	R1/8	14	29,1	35,8	8	25,1	31,8	10
VFFK-C-K-R14-P	R1/4	18	31,1	37	10,8	25,1	31	14

Ordering data

Ordering data

	Pneumatic connection, port 1	Standard flow rate 0.6->0 MPa (6->0 bar, 87->0 psi)	Product weight	Part no.	Type
	M5	0 ... 80 l/min	4.3 g	**133140**	**VFFK-C-K-M5-P**
	M7	0 ... 100 l/min	5.8 g	**133141**	**VFFK-C-K-M7-P**
	R1/8	0 ... 270 l/min	13.5 g	**133142**	**VFFK-C-K-R18-P**
	R1/4	0 ... 420 l/min	25 g	**133143**	**VFFK-C-K-R14-P**