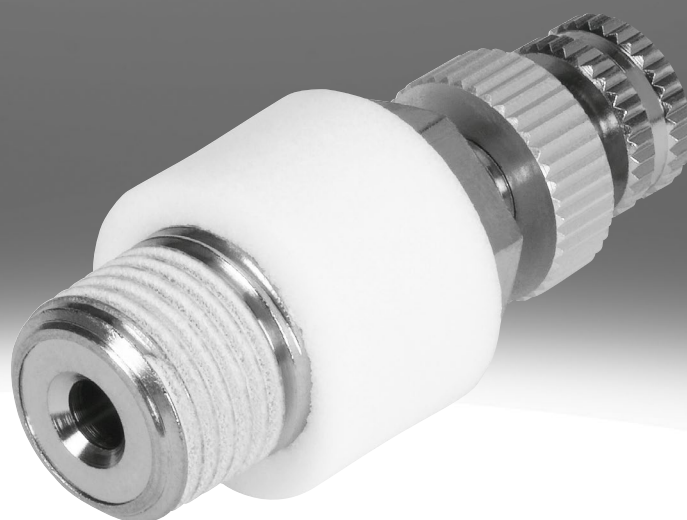


Flow control/silencer VFFK

FESTO



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](#)



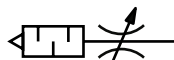
The diagrams shown in this document are also available online. These can be used to display precise values.

Type code

001	Series		004	Pneumatic connection 1	
VFFK	Flow control/silencer		M5	M5	
			M7	M7	
002	Design		R14	R1/4	
C	Inline		R18	R1/8	
003	Adjusting component		005	Additional features	
K	Knurled screw		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

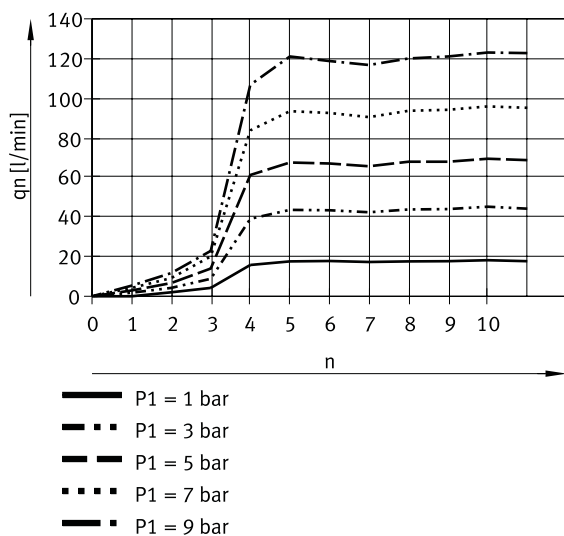
Operating and environmental conditions

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

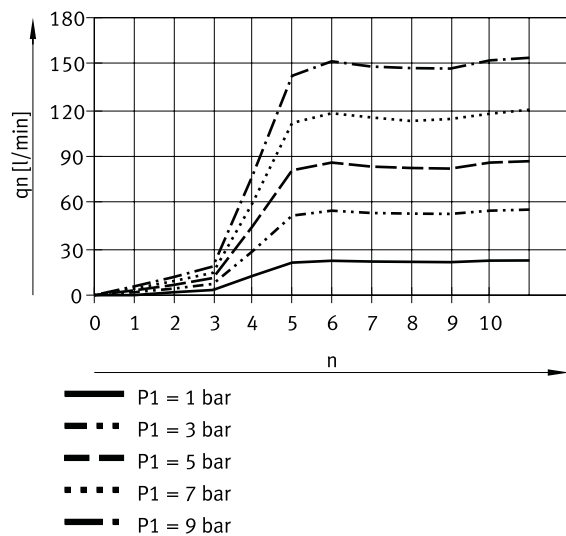
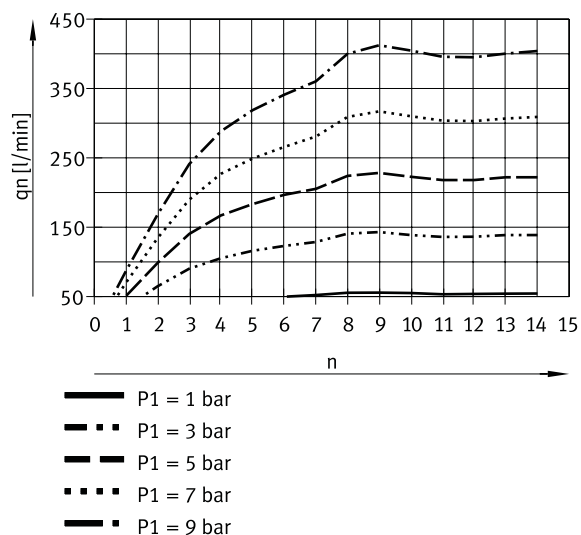
1) More information www.festo.com/x/topic/crc

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

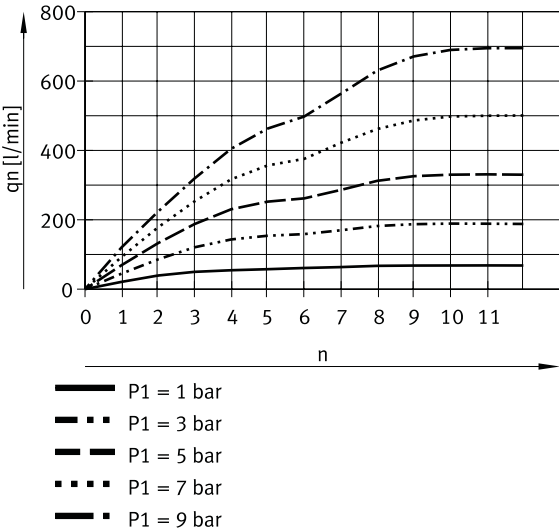
Standard flow rate q_n [l/min] as a function of spindle rotations n (VFFK-C-K-M5-P)

Datasheet

Standard flow rate q_n [l/min] as a function of spindle rotations n (VFFK-C-K-M7-P)Standard flow rate q_n [l/min] as a function of spindle rotations n (VFFK-C-K-R18-P)

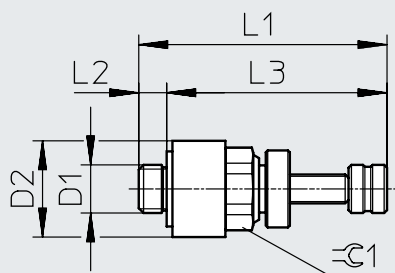
Datasheet

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



Dimensions

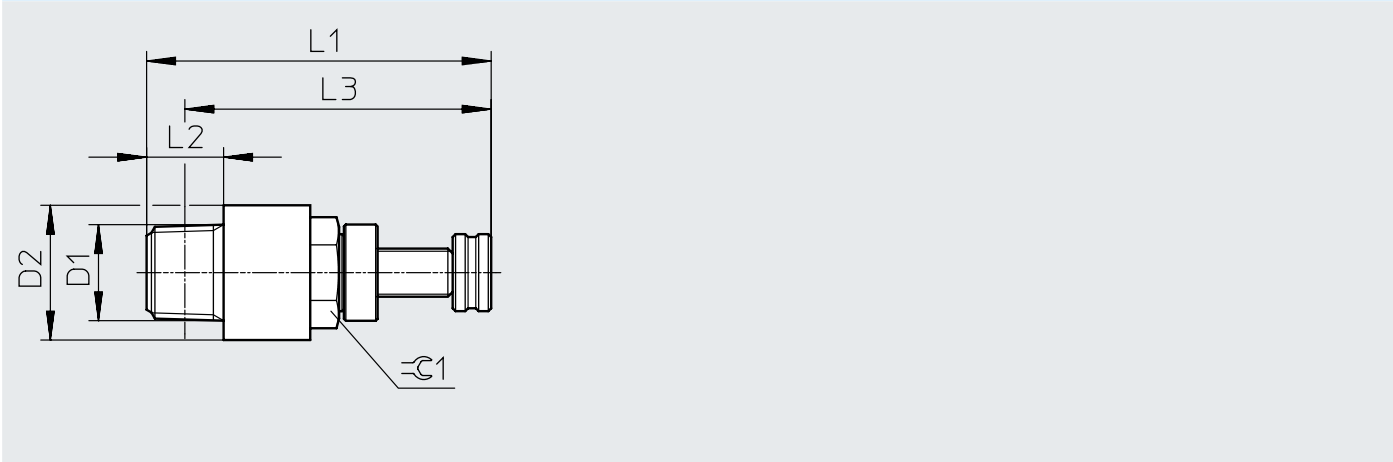
Dimensions – VFFK-C-K-M...-P

[Download CAD data](#) www.festo.com


	D1	D2 ø	L1		L2	L3		1/8"
			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 Ø	L1		L2	L3		≈G1
			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