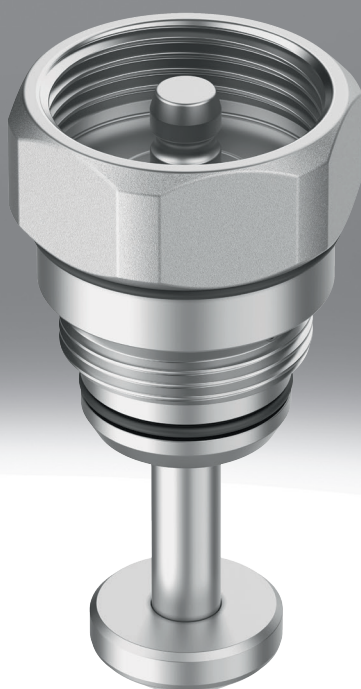


Wearing part VAVC

FESTO



Type code

001	Series	
VAVC	Seal cartridge	

002	Allocation	
F7	Version F7	
F9	Version F9	
F12	Version F12	
K2	Version K2	
Q2	Version Q2	

003	Wearing part type	
	Standard	
B	Ball	
CC	Cartridge and cover (integrated)	
S	Seal	
SCC	Spindle, cartridge and cover	
SCD	Spindle, cartridge and cover (integrated)	

004	Valve function	
	Standard	
3	3/2-way	
M22C	2/2-way valve, normally closed	
M22U	2/2-way valve, normally open	
V30	V-connection 30°	
V60	V-connection 60°	
V90	V-connection 90°	

005	Nominal diameter DN	
	Without	
1/4"	1/4"	
3/8"	3/8"	
1/2"	1/2"	
3/4"	3/4"	
1"	1"	
1 1/4"	1 1/4"	
1 1/2"	1 1/2"	
2"	2"	
2 1/2"	2 1/2"	
3"	3"	
4"	4"	
6	6 mm	
13	13 mm	
15	15 mm	
20	20 mm	
25	25 mm	
32	32 mm	
40	40 mm	
50	50 mm	

006	Shut-off element material	
	Standard	
E	EPDM	
F	FFPM	
N	NBR	
P	PEEK	
S1	Silicone	
T	PTFE	
TP	PTFE modified	
V	FPM	

007	Use in a potentially explosive atmosphere	
	No	
EXA	Assessed for use in an explosive atmosphere	

Datasheet

General technical data

Nominal size DN	6, 8, 10, 13, 15, 20, 25, 32, 40, 50, 65, 80, 100
Mounting position	optional
Product weight	0.1 ... 6,003.3 g
Corrosion resistance class CRC ¹⁾	3 - high corrosion stress, 4 - Very high corrosion stress

1) Corrosion resistance class CRC 4 according to Festo standard FN 940070

Particularly high corrosion stress. Outdoor exposure under severe corrosive conditions. Parts exposed to aggressive media, e.g. in the food or chemical industry. If necessary, these applications may need to be supported with special tests (→ also FN 940082) using appropriate media.

Operating and environmental conditions

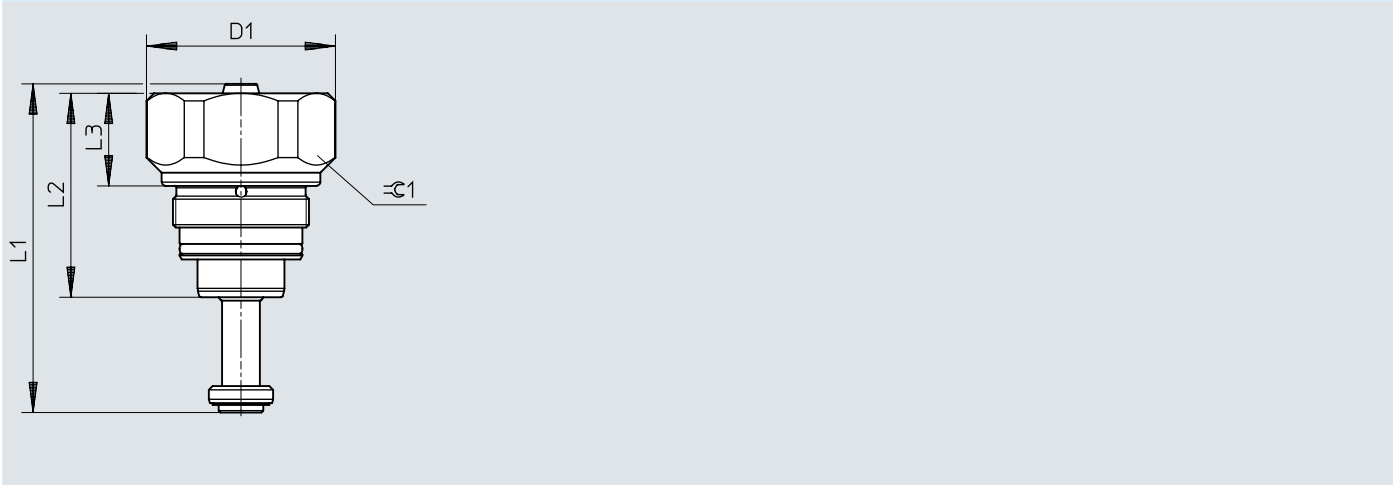
Medium	Vapour, Mineral oil-based hydraulic fluid, Inert gases, Mineral oil, Water, Filtered compressed air, grade of filtration 200 µm, Neutral fluids
Storage temperature	-10 ... 60°C
Note on the medium	Gaseous media are only permitted with inflow via valve seat.
Media temperature	-30 ... 230°C
Ambient temperature	0 ... 60°C

Materials

Note on materials	RoHS-compliant
Material shut-off element	EPDM, Stainless steel casting, NBR, PTFE, PTFE, modified, VMQ (silicone)
Material bowl	Die-cast aluminium, PA6, PPS
Material cover	High-alloy stainless steel
Material spindle seal	PTFE
Material seat seal	PEEK, PTFE, modified
LABS (PWIS) conformity	VDMA24364-B2-L, VDMA24364 zone III

Dimensions

Dimensions – Cover kit Download CAD data www.festo.com



	D1 Ø	L1	L2	L3	Σ1
VAVC-F12-SCC-13-TP	50	87	54	24,5	46
VAVC-F12-SCC-20-TP		85,6			
VAVC-F12-SCC-25-TP		94,4		17	
VAVC-F12-SCC-32-TP		94,4			
VAVC-F12-SCC-40-TP	55	121,5	80,1	32,2	
VAVC-F12-SCC-50-TP	67,5	129,7	85,9	21,5	

Ordering data

Seal cartridge VAVC-Q2-M22C

	Nominal size DN	Storage temperature	Material shut-off element	Part no.	Type
	6	5 ... 20 °C	EPDM	3418620	VAVC-Q2-M22C-6-E
		5 ... 30 °C	VMQ (silicone)	8119890	VAVC-Q2-M22C-6-S1
	15	5 ... 20 °C	EPDM	3418619	VAVC-Q2-M22C-15-E
		5 ... 30 °C	VMQ (silicone)	8117430	VAVC-Q2-M22C-15-S1
	25	5 ... 20 °C	EPDM	8161070	VAVC-Q2-M22C-25-E
		5 ... 30 °C	VMQ (silicone)	8161063	VAVC-Q2-M22C-25-S1

Seal cartridge VAVC-Q2-M22U

	Nominal size DN	Storage temperature	Material shut-off element	Part no.	Type
	6	5 ... 20 °C	EPDM	2392884	VAVC-Q2-M22U-6-E-EXA
				2392882	VAVC-Q2-M22U-6-E
		5 ... 30 °C	NBR	2392881	VAVC-Q2-M22U-6-N
			VMQ (silicone)	2392883	VAVC-Q2-M22U-6-S1
	15	5 ... 20 °C	EPDM	3019148	VAVC-Q2-M22U-15-E
				3019152	VAVC-Q2-M22U-15-E-EXA
		5 ... 30 °C	NBR	3019151	VAVC-Q2-M22U-15-N
			VMQ (silicone)	3019144	VAVC-Q2-M22U-15-S1
	25	5 ... 20 °C	EPDM	3970095	VAVC-Q2-M22U-25-E-EXA
				3970093	VAVC-Q2-M22U-25-E
		5 ... 30 °C	NBR	3970092	VAVC-Q2-M22U-25-N
			VMQ (silicone)	3970094	VAVC-Q2-M22U-25-S1
	50	5 ... 20 °C	EPDM	8174147	VAVC-Q2-M22U-50-E

Seal VAVC

	Nominal diameter DN	Product weight	Part no.	Type
	Without	0.1 g	8122831	VAVC-K2-S-3-F
			8122830	VAVC-K2-S-3-V
			8122829	VAVC-K2-S-3-E

V-port ball VAVC, passage opening 30°, version for VZBE-...-T-...-T-2-...-V15V..

	Nominal size DN	Product weight	Part no.	Type
	8	38.5 g	8083049	VAVC-F7-B-V30-1/4"
	10		8083050	VAVC-F7-B-V30-3/8"
	15		8083051	VAVC-F7-B-V30-1/2"
	20	69.3 g	8083052	VAVC-F7-B-V30-3/4"
	25		8083053	VAVC-F7-B-V30-1"
	32	253.1 g	8083054	VAVC-F7-B-V30-1 1/4"
	40	440.9 g	8083055	VAVC-F7-B-V30-1 1/2"
	50	863.5 g	8083056	VAVC-F7-B-V30-2"
	65	1,720 g	8083057	VAVC-F7-B-V30-2 1/2"
	80	2,725.8 g	8083058	VAVC-F7-B-V30-3"
	100	6,003.3 g	8083059	VAVC-F7-B-V30-4"

Ordering data

V-port ball VAVC, passage opening 60°, version for VZBE-...-T-...-T-2-...-V15V..

	Nominal size DN	Product weight	Part no.	Type
	8	37.2 g	8083060	VAVC-F7-B-V60-1/4"
	10		8083061	VAVC-F7-B-V60-3/8"
	15		8083062	VAVC-F7-B-V60-1/2"
	20	66.4 g	8083063	VAVC-F7-B-V60-3/4"
	25		8083064	VAVC-F7-B-V60-1"
	32	244 g	8083065	VAVC-F7-B-V60-1 1/4"
	40	426.6 g	8083066	VAVC-F7-B-V60-1 1/2"
	50	835.7 g	8083067	VAVC-F7-B-V60-2"
	65	1,667.1 g	8083068	VAVC-F7-B-V60-2 1/2"
	80	2,637.6 g	8083069	VAVC-F7-B-V60-3"
	100	5,862.8 g	8083070	VAVC-F7-B-V60-4"

V-port ball VAVC, passage opening 90°, version for VZBE-...-T-...-T-2-...-V15V..

	Nominal size DN	Product weight	Part no.	Type
	8	36 g	8083071	VAVC-F7-B-V90-1/4"
	10		8083072	VAVC-F7-B-V90-3/8"
	15		8083073	VAVC-F7-B-V90-1/2"
	20	64.1 g	8083074	VAVC-F7-B-V90-3/4"
	25		8083075	VAVC-F7-B-V90-1"
	32	236.8 g	8083076	VAVC-F7-B-V90-1 1/4"
	40	415.4 g	8083077	VAVC-F7-B-V90-1 1/2"
	50	813.9 g	8083078	VAVC-F7-B-V90-2"
	65	1,626.2 g	8083079	VAVC-F7-B-V90-2 1/2"
	80	2,568.9 g	8083080	VAVC-F7-B-V90-3"
	100	5,757.1 g	8083081	VAVC-F7-B-V90-4"

V-port ball VAVC, passage opening 30°, version for VZBF-...-P1-...-D-2-...-V15V..

	Nominal size DN	Product weight	Part no.	Type
	15	52.6 g	8083128	VAVC-F9-B-V30-1/2"
	20		8083129	VAVC-F9-B-V30-3/4"
	25	159.6 g	8083130	VAVC-F9-B-V30-1"
	32		8083131	VAVC-F9-B-V30-1 1/4"
	40	257.7 g	8083132	VAVC-F9-B-V30-1 1/2"
	50	516.9 g	8083133	VAVC-F9-B-V30-2"
	65	954.3 g	8083134	VAVC-F9-B-V30-2 1/2"
	80	2,384.1 g	8083135	VAVC-F9-B-V30-3"
	100	3,287.3 g	8083136	VAVC-F9-B-V30-4"

V-port ball VAVC, passage opening 60°, version for VZBF-...-P1-...-D-2-...-V15V..

	Nominal size DN	Product weight	Part no.	Type
	15	51.1 g	8083137	VAVC-F9-B-V60-1/2"
	20		8083138	VAVC-F9-B-V60-3/4"
	25	154.4 g	8083139	VAVC-F9-B-V60-1"
	32		8083140	VAVC-F9-B-V60-1 1/4"
	40	248.5 g	8083141	VAVC-F9-B-V60-1 1/2"
	50	501.5 g	8083142	VAVC-F9-B-V60-2"
	65	922 g	8083143	VAVC-F9-B-V60-2 1/2"
	80	2,323.6 g	8083144	VAVC-F9-B-V60-3"
	100	3,203.9 g	8083145	VAVC-F9-B-V60-4"

Ordering data

V-port ball VAVC, passage opening 90°, version for VZBF-...-P1-...-D-2-...-V15V..

	Nominal size DN	Product weight	Part no.	Type
	15	49.8 g	8083146	VAVC-F9-B-V90-1/2"
	20		8083147	VAVC-F9-B-V90-3/4"
	25	150.5 g	8083148	VAVC-F9-B-V90-1"
	32		8083149	VAVC-F9-B-V90-1 1/4"
	40	241.5 g	8083150	VAVC-F9-B-V90-1 1/2"
	50	489.4 g	8083151	VAVC-F9-B-V90-2"
	65	896.8 g	8083152	VAVC-F9-B-V90-2 1/2"
	80	2,276.4 g	8083153	VAVC-F9-B-V90-3"
	100	3,139 g	8083154	VAVC-F9-B-V90-4"

Cover kit VAVC

	Nominal size DN	Product weight	Part no.	Type
	13	247 g	8180301	VAVC-F12-CC-13-T
		305 g	8180298	VAVC-F12-SCD-13-T
			8180299	VAVC-F12-SCD-13-TP
		358 g	8084035	VAVC-F12-SCC-13-TP
			8201221	VAVC-F12-SCC-13-P
	20	313 g	8180295	VAVC-F12-SCD-20-TP
			8180296	VAVC-F12-SCD-20-T
		363 g	8084036	VAVC-F12-SCC-20-TP
			8201222	VAVC-F12-SCC-20-P
	25	355 g	8180300	VAVC-F12-CC-25-T
		385 g	8084042	VAVC-F12-SCC-25-TP
		441 g	8180294	VAVC-F12-SCD-25-T
			8180297	VAVC-F12-SCD-25-TP
		921 g	8201223	VAVC-F12-SCC-25-P
	32	331 g	8180302	VAVC-F12-CC-32-T
		424 g	8084034	VAVC-F12-SCC-32-TP
		436 g	8180292	VAVC-F12-SCD-32-TP
			8180293	VAVC-F12-SCD-32-T
		1,080 g	8201224	VAVC-F12-SCC-32-P
	40	846 g	8084032	VAVC-F12-SCC-40-TP
	50	1,180 g	8084045	VAVC-F12-SCC-50-TP