



Product Data Sheet

Dosing and Filling Pump VFL

Description



Volumetric conveying pump basing upon the endless piston principle.

- dosing unit for filling machines
- feeding pump for subsequent processes
- conveying pump from A to B
- suited for food and cosmetics
- for low to high viscosity media
- also suited for abrasive, shear sensitive and lumpy media
- for hot and cold filling

Technical data

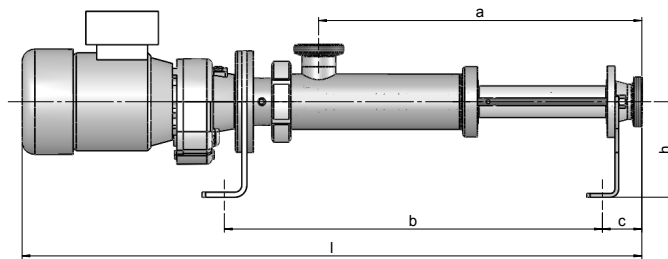
dosing volume	0.3 ml to ∞
dosing accuracy	$\pm 1\%$
operating temperature	+10 to +100 °C*
medium temperature	-20 to +120 °C*
maximum discharge pressure	20 bar*
maximum inlet pressure	8 bar*
shaft sealing	open mechanical seal
stainless seal	1.4404 (AISI 316 L)/1.4571 (AISI 316 Ti)
polished inside/blasted outside	surface roughness $R_a \leq 0.8 \mu\text{m}$ (inside)
stator	HNBR, FDA approved
process connections	milk thread DIN 11851
actuation	asynchronous three-phase motor
control	ViscoDos 3 or frequency converter
specifics	quick disassembling without special tools
	easy to disassemble and to clean
dimensions	see chart on p. 2

* depends on material

Dimensions dosing and filling pump VFL

Typ	ml/turn	L	a	b	c	h	process connections	product port	item-No.
3VFL5	1.1	716	286	364	56	150	DIN 11851	NW 25	152551
2VFL10	3.3	740	309	388	56	150	DIN 11851	NW 25	152552
2VFL15	13.0	801	371	449	56	150	DIN 11851	NW 25	152553
2VFL20	30.0	974	508	594	62	150	DIN 11851	NW 50	152554
2VFL30	103.0	1071	605	691	62	150	DIN 11851	NW 50	152555
2VFL40	240.0	1491	886	951	110	150	DIN 11851	NW 80	152556
2VFL50	460.0	1568	963	1023	110	150	DIN 11851	NW 80	152557
2VFL60	830.0	1728	1034	1248	114	175	DIN 11851	NW 80	152558

All data in mm



Optional design and components

- double walled design for supplying with heating medium
- seal chamber
- CIP port
- actuation by servo drive
- special stainless steel on request
- alternative stator elastomers in FDA quality available (FKM, EPDM)
- test report 3.1 (DIN EN 10204)

Accessories

- hopper with 10 l or 50 l
- manifolds with air bleed valve
- food or pharmaceutical hoses
- pressure sensors for pump protection and control

Examples

