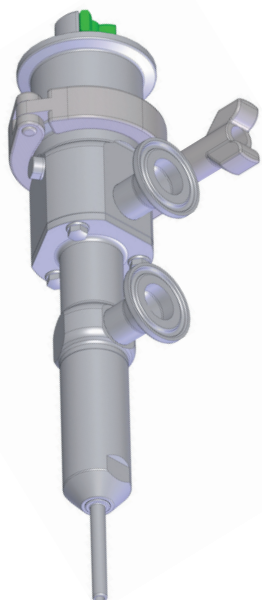




Product Data Sheet

Hygienic Dispenser VHD

Description



The ViscoTec Hygienic Dispenser was specifically developed for applications in the nutrition and cosmetics sector which requires the highest hygienic standards. Based on the endless piston principle, the dispenser is perfectly suitable for filling, dosing and for applications with viscous, abrasive, highly filled or shear-sensitive fluids.

Key features:

- suck-back function (no dripping nor stringing)
- absolutely linear correlation between rotor speed and applied quantity
- high life time due to material-specific component selection
- fast and easy assembly and disassembly
- flexible shaft, easy to dismantle
- process reliable and high-precision filling/dosing
- various amounts infinitely variable
- compact design

Hygienic characteristics:

- design performed according to EHEDG-guidelines
- FDA-compliant construction/development
- hygienic and pharmaceutical construction
- deadspace optimized interior
- all surfaces $Ra \leq 0.8 \mu m$
- flushing connection for automated cleaning
- hermetically sealed process area (flushing area/seal chamber)
- suitable for all cosmetics and food products
- easy integration in automated processes

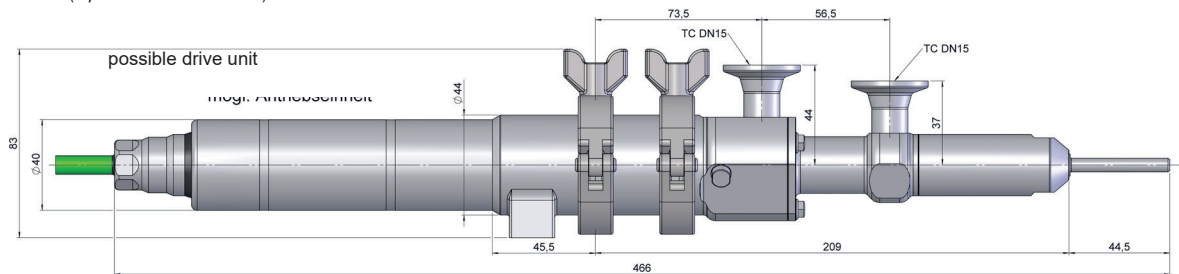
Technical data

models	3VHD8	3VHD12	2VHD12 ^(3D)
dosing volume	0.35 ml/rev.	1.7 ml/rev.	5.1 ml/rev.
weight	1,800 g	2,500 g	2,500 g
max. dosing pressure	20 bar	20 bar	15 bar
min. dosing quantity*	0.2 ml	0.85 ml	2.5 ml
operating temperature	+10 to + 40 °C		
fluid temperature	-20 to + 120 °C		
max. speed	140 rev./min		
max. allowed torque	8 Nm		
accuracy	±1 %		
connections	Luer-Lock, process connection (TriClamp), dosing nozzle (Ø 6x1x50 mm)		
wetted parts	1.4404 (AISI 316L), FDA-conform elastomers		
fluid supply	emptying systems e. g. ViscoMT, cartridge		
optional	electrical heating/pump housing without flushing port		

*depends on material

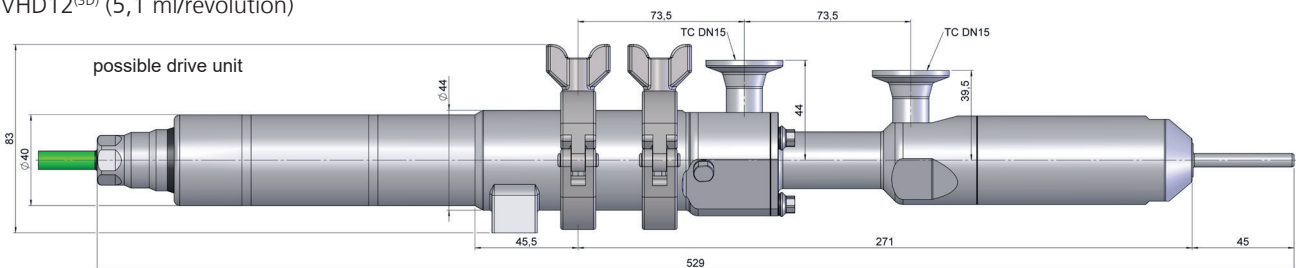
Dimension drawings

3VHD8 (0,35 ml/revolution)



3VHD12 (1,7 ml/revolution)

2VHD12^(3D) (5,1 ml/revolution)



Applications

