The VISCO.pump® is based on the volumetric principle of an endless (infinite) piston whereas the core components rotor and stator form a perfectly sealed metering chamber. The eccentric movement of the rotor allows for a low-shear motion of the medium from one chamber to the next chamber without squeezing the media. Dispensing proportional to speed, accuracy and repeatability is ± 1%. Its light weight space saving design is highly applicable for small 3 and 4 axis dosing robots. Well suited for filled media the VISCO.pump® lends itself to countless applications where reliability and repeatability is a must.

OPERATING CONDITIONS

SPEED

Size 1	1 – 150 rpm
Size 2 + 3	1 – 400 rpm

PUMP PRINCIPLE

Progressive cavity stator + rotor

ROTATION

Clockwise (cw), right
Counterclockwise (ccw), left

VISCOSITY

1 – 1,000,000 mPa·s

DISPLACEMENTS CC/REV

Size 1	0.01 / 0.05 / 0.15
Size 2	0.30 / 1.00 / 2.00
Size 3	4.00

PRESSURE

Size 1	Inlet max. 6 bar	Discharge max. 10 bar
Size 2	Inlet max. 8 bar	Discharge max. 20 bar
Size 3	Inlet max. 8 bar	Discharge max. 20 bar

MATERIALS

Stainless steel body & rotor, FKM stator
(EPDM, FFKM also available)

COMMON APPLICATIONS

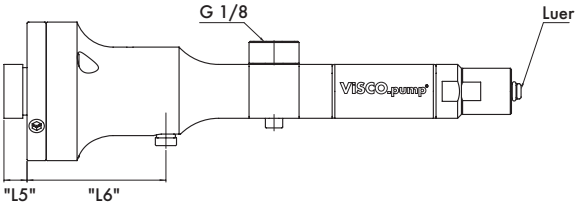
Dosing of filling compounds, coating of electronic components, protective coating of printed circuit boards, application of epoxy resin adhesives, bead dispensing, sealing, underfillings, dosing and metering, filling

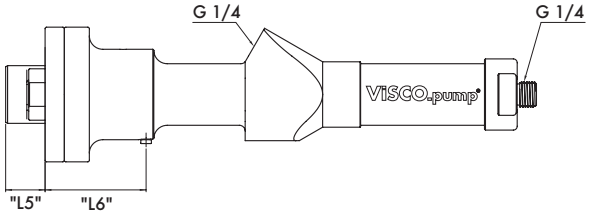
HIGHLIGHTS

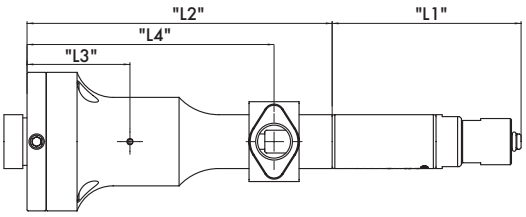
- High dosing accuracy, ± 1% volumetric
- Continuous dosing
- Speed proportional transfer
- Valveless closed system
- Handles abrasive media
- Low pulsation and shear

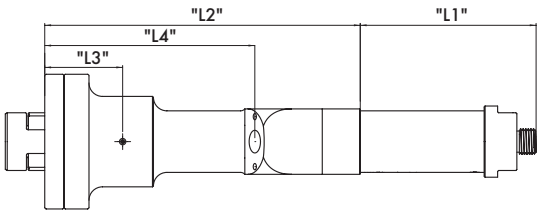
DISPLACEMENT SIZES & SPECIFICATION

Size	Displacements cc/rev	Speed min. rpm	Speed max. rpm	Dimensions mm					
				L1	L2	L3	L4	L5	L6
1	0.01	1	150	49.1	79.3	26.8	64.2	6	36.1
1	0.05	1	150	49.1	79.3	26.8	64.2	6	36.1
1	0.15	1	150	77.4	88.8	26.8	73.7	1	36.1
2	0.30	1	400	91.4	164	40.5	109.2	20.5	52.5
2	1.00	1	400	111.4	164	40.5	109.2	20.5	52.5
2	2.00	1	400	134.4	164	40.5	109.2	20.5	52.5
3	4.00	1	400	179	154	40.5	105.9	20.5	52.5









ViSCO.mini®

ViSCO.pump®