

PosiPump V-Series Progressive Cavity Valve

The PosiPump™ V-Series Progressive Cavity Valve offers true volumetric meter mix dispensing of 2-component fluids.

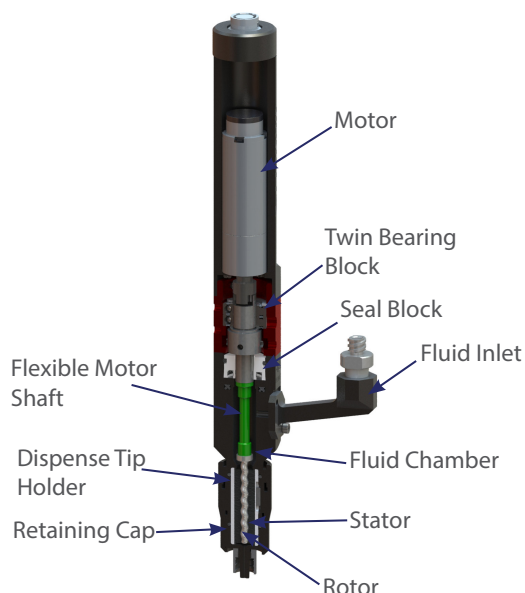
Independent control of each fluid material allows the mixing ratio to be finitely adjusted. The endless piston design & Bi-Rotational control ensure clean, consistent & reliable dispense results.

A variety of fluid outlet blocks are available, designed for use with three different mixer types to meet all standard application demands.

Features

- Dispense volume as small as 0.016ml
- Constant volumetric & pressure-stable dispense system
- Dispense volume is not affected by changes in fluid viscosity or feed pressure
- FKM or FFKM Stator Material
- Long service life
- Compatible with industry standard mixing nozzles

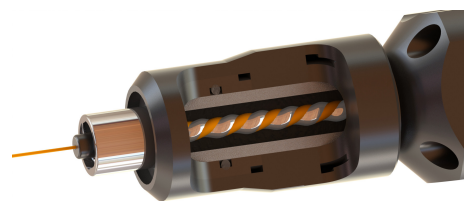
Section View



Benefits

- Dispense volume not affected by change in fluid viscosity or feed pressure
- No dripping/drooling after dispense cycle
- Suitable for both low & high viscosity fluids
- Pressurisation of fluid feed system is not necessary for self-levelling low viscosity fluids
- Prevents damage to fillers in filled fluid materials
- Compatible with abrasive materials*
- Optional fluid pressure sensors prevent damage to valve motors in the event of fluid curing in the mixing nozzle

Endless Piston Principle

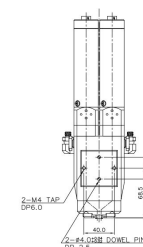
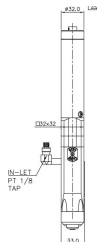
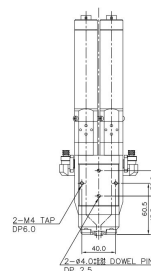
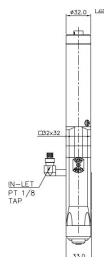


The Fisnar PosiPump valve is based on the endless piston principle using a rotor and stator to create a self-sealing pressure-tight Positivity Displacement system.

The rotational movement of the rotor allows the fluid material to transition through the stator in sealed cavities in a linear conveying motion.

This design principle prevents compression forces being applied to the fluid material, therefore preventing the effects of shear stresses and pulsation being induced during its flow through the valve.

*Not compatible with all abrasive fluid materials. Please consult your local Fisnar sales representative to confirm 100% material compatibility.



Item Number	PC-VI6	PC-V100	PC-V1000	PC-V550**
Dosing Volume/Rev	0.016ml	0.1ml	1ml	0.55ml
Motor Speed	1-120 rpm	1-120 rpm	1-120 rpm	1-120 rpm
Max Flow Rate	0.96ml/min	12ml/min	120ml/min	66ml/min
Material Input Pressure	1-100psi	1-100psi	1-100psi	1-100ps
Fluid Viscosity Range	1-500,000cPs	1-500,000cPs	1-500,000cPs	1-500,000cPs
Rotor Material	SUS316	SUS316	SUS316	SUS316
Stator Material	FKM (FFKM option)	FKM (FFKM option)	FKM (FFKM option)	FKM (FFKM option)
Fluid Inlet & Outlet Material	AL6061 Hard Onodize	AL6061 Hard Onodize	AL6061 Hard Onodize	AL6061 Hard Onodize
Seal Material	UHMW-PE	UHMW-PE	UHMW-PE	UHMW-PE
O-ring Material	Viton™	Viton™	Viton™	Viton™
Material Inlet	G 1/8" / Luer Lock	G 1/8" / Luer Lock	G 1/8" / Luer Lock	G 1/8" / Luer Lock
Material Outlet	Mixer B, C or K Style***	Mixer B, C or K Style***	Mixer B, C or K Style***	Mixer B, C or K Style***
Weight	1.1kg	1.6kg	1.6kg	1.4kg

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Rev 2