

accuPUMP

TINTA

A Dispenser With Sample Pot Accuracy

How does TINTA's tintONE one circuit dispenser improve dosing precision?

Stepper motors

Two proprietary individualized direct stepper-motor-drives for pump and valve for highest accuracy and long lifetime. The fully calibration free stepper motor action is based on defined actor rotation.

High grade steel cylinder

Abrasive pigments can cause wear of the inner cylinder surface, with negative effects on the durability of the piston. Collomix has developed high-grade steel cylinder tubes and an intelligent material combination for the cylinder piston system, for long lifetime.

Stiff pump cylinder receptacle

into which the cylinder is firmly clamped using a brace module.

Piston and seal combination

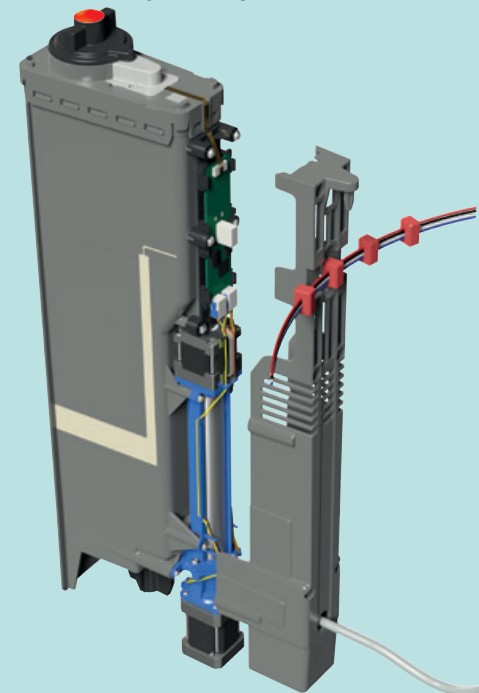
The system needs no seal as the piston itself performs the sealing function.

The piston features a tested lifetime, resp. over 31,500 liter of pump volume in average (yellow oxide; white oxide colorant in worst case about 13.500 liters).

Coated ceramic discs

in the multifunctional multi-port valve enable reliable operation over the complete lifetime.

Lid with LED indications increases process safety at Point-of-Tinting.



TINTA's tintONE is an intelligent one-circuit dispenser unit. Air sealed and free of stirrers it prevents the dry-out of colorants. Thanks to a significantly reduced number of moving parts in the canister, tintONE is low in maintenance and extremely service-friendly.



The TINTA Dispenser uses an innovative, patented technology, called vibroPAD, to break thixotropy.

Result:

As a Result TINTA coolNOZ provides consistently high dosing precision:

- 0,08 ml < 4% deviation 24h after last purge/dose
- 0,08 ml < 1 % deviation after purge
- 0,04 ml < 5-8 % deviation after purge, depending on rheology