



product data sheet

# 2-component Dispenser ViscoDuo-V 4/4-EC

## application



The 2-component dosing system ViscoDuo-V 4/4-EC is a valveless, static mixing head with dispensers located directly in front of the mixer. Especially developed for simplified cleaning (Easy Clean) and maintenance. In the mixing head no valves are required. The components to be mixed are dosed by volume only and with no dead space into the static mixer.

- processing of viscous materials unfilled or very high filler content
- only low supply pressure required for material feed
- adjustment of the desired mixing ratio by adjusting the speed ratio of both dispensers
- integrated sensors in each component (no dead space) for online process monitoring
- reverse-flow possible (no dripping or stringing of product)
- linear relation between speed and dosing quantity
- constant dosing volume, even with density or viscosity changes due to temperature fluctuations or batch change
- simple programming of volume and dosing speed

## application

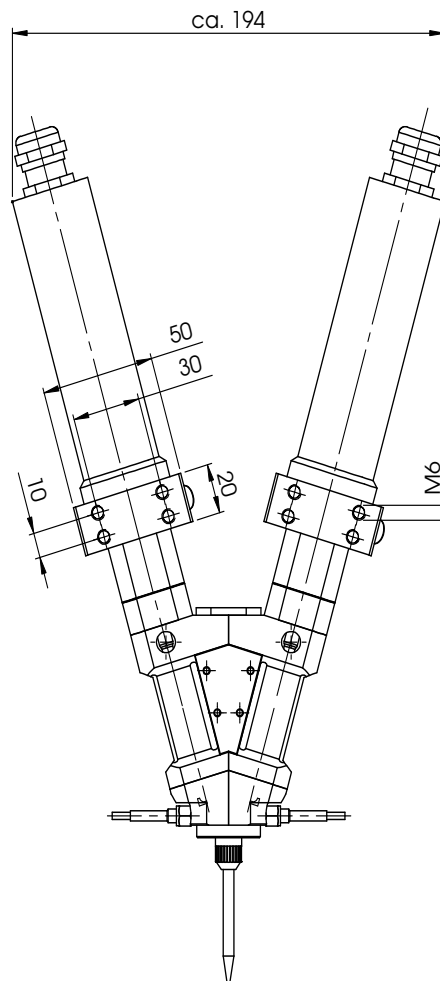
- static mixing of two components of same or different viscosities
- potting dot or bead applications possible
- suitable for 2-component adhesive systems based on: epoxy resin (EP), polyurethane (PU), silicone (Si)
- application of high-content gap fillers and thermally conductive pastes
- mixing of two colours

## technical data

mixing ratio at same dispenser speed	1:1 to 10:1*
max. continuous output volume	~ 0.2 ml/s or 12 ml/min.*
smallest dosing shot	~ 0.01 ml*
weight with drive	~ 3 kg
required supply pressure at dispenser	0.1 to 6 bar*
connection for material supply	1/8" inside thread

\* depends on material and mixing ratio

## drawing



Errors and omissions expected

## item information

## scope of delivery

- 2-component dispenser ViscoDuo-V 4/4-EC with two sensors
- drive unit with brushless EC servo motor and planetary gears
- maintenance manual

## necessary and optional components

- 2-component dosing control ViscoDos-4000 2K
- monitoring of material feed
- material supply systems