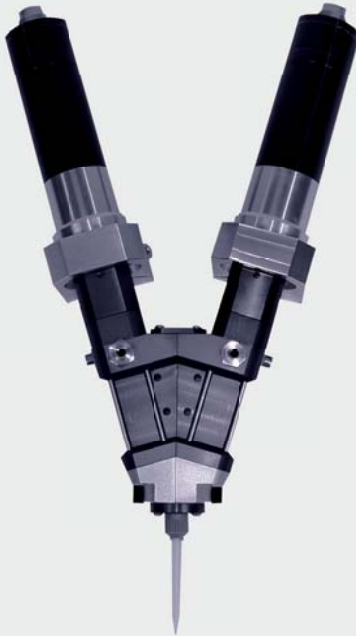


2K-Dispenser ViscoDuo-V 4/4

Description



The 2-component ViscoDuo-V 4/4 dispenser is a valveless, static mixing head with dispensers located directly in front of the mixer. The mixing head functions valve-free. The components to be mixed are dosed by volume only and with no dead space into the static mixing tube via the dispensers.

- Processing of viscosity materials with no filler or very high filler content
- Only low supply pressure required for medium 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)
- Connection between dispensed quantity and speed is absolutely linear
- Constant dosing volume, even with density or viscosity changes due to temperature fluctuations or batch change

Application

- Static mixing of two components of same or different viscosity
- Casting, dot or bead applications possible
- Suitable for 2-component adhesive systems based on: epoxy resin (EP), polyurethane (PU), silicone (Si), methyl methacrylate (MMA)
- Application of high-content gap fillers and thermally conductive pastes
- Mixing of two paints

Technical data

Mixing ratio at same dispenser speed	1 : 1 to 10 : 1*
Maximum continuous output rate	~ 0,2 ml/s or 12 ml/min*
Smallest dosing shot	~ 0,010 ml*
Weight with drive	~ 3 kg
Required supply pressure at dispenser	0,1 to 6 bar*
Connection for material feed	1/8" inside thread

* depending on medium and mixing ratio



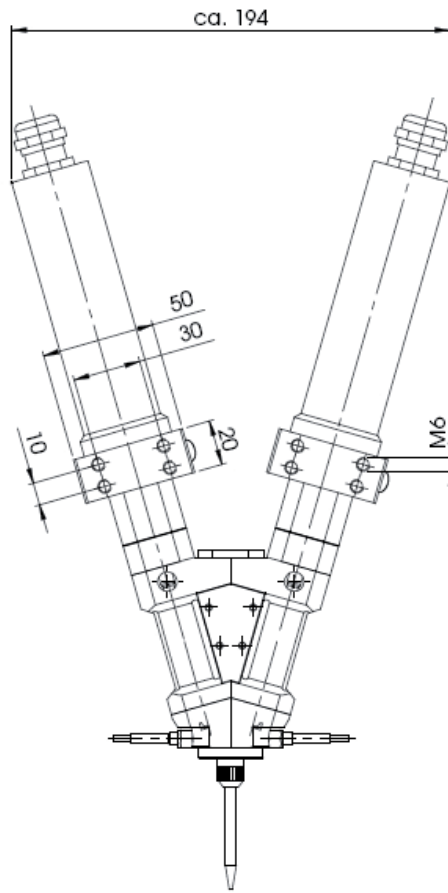
Fabricant

ViscoTec Pumpen- u. Dosiertechnik GmbH
 mail@viscotec.de • www.viscotec.de



Agence en France : **SYNEO - GROUPE SUPRATEC**
 ZI La Marinière - rue Charles de Gaulle
 91070 Bondoufle
 Tél. : +33 (0)1 69 11 81 75
 infocolle@syneo.net - www.SYNEO.net

Drawing



Errors and omissions excepted

Scope of delivery:

- ViscoDuo-V 4/4 with two sensors
- Drive unit with brushless EC servo motor and planetary gears
- Operating and maintenance manual

Necessary and optional components:

- 2-component dosing control ViscoDos-2K
- Monitoring of medium feed
- Material supply



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mail@viscotec.de • www.viscotec.de



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91070 Bondoufle
Tél. : +33 (0)1 69 11 81 75
infocolle@syneo.net - www.SYNEO.net

2K-Dispenser ViscoDuo-V

Votre interlocuteur :

SYNEO
 GROUPE SUPRATEC

Description



The 2-component ViscoDuo-V dispenser is a valveless, static mixing head with dispensers located directly in front of the mixer. The mixing head functions valve-free. The components to be mixed are dosed by volume only and with no dead space into the static mixing tube via the dispensers.

- Processing of low to high-viscosity materials with no filler or very high filler content
- Only low supply pressure required for medium feed
- Adjustment of the desired mixing ratio via the dispenser size and additionally 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)
- Connection between dispensed quantity and speed is absolutely linear
- Constant dosing volume, even with density or viscosity changes due to temperature fluctuations or batch change
- Easy programming of quantity and output rate

Application

- Static mixing of two components of same or different viscosity
- Casting, dot or bead applications possible
- Suitable for 2-component adhesive systems based on: epoxy resin (EP), polyurethane (PU), silicone (Si), methyl methacrylate (MMA)
- Application of high-content gap fillers and thermally conductive pastes
- Mixing of two paints

Technical data

Mixing ratio at same dispenser speed	100 : 100 to 100 : 1*
Maximum continuous output rate	~ 5 ml/s or 300 ml/min*
Smallest dosing shot	~ 0,05 ml*
Weight with drive	~ 10 kg
Required supply pressure at dispenser	0,1 bis 6 bar*
Connection for material feed	1/2" inside thread

* depending on medium



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SYNEO
 GROUPE SUPRATEC

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 ZI La Marinière - rue Charles de Gaulle
 91070 Bondoufle
 Tél. : +33 (0)1 69 11 81 75
 infocolle@syneo.net - www.SYNEO.net

Additional information

The following table outlines the possible dispenser model combinations, their maximum attainable output rates at a speed of 75 rpm and the basic mixing ratio at same dispenser speeds.

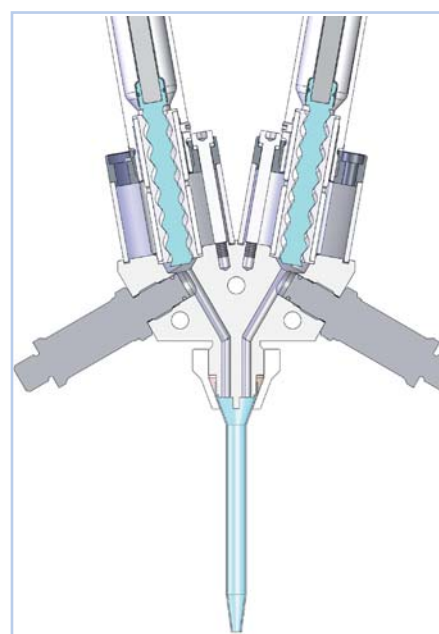
Dispenser combination		4RD6	3RD8	3RD10	3RD12
4RD6	Max. output rate	≈ 0,39 ml/s	≈ 0,65 ml/s	≈ 1,52 ml/s	≈ 2,65 ml/s
	Mixing ratio	100:100	100:33	100:11	100:6
3RD8	Max. output rate		≈ 1,00 ml/s	≈ 1,87 ml/s	≈ 3,00 ml/s
	Mixing ratio		100:100	100:36	100:20
3RD10	Max. output rate			≈ 2,75 ml/s	≈ 3,87 ml/s
	Mixing ratio			100:100	100:55
3RD12	Max. output rate				≈ 5,00 ml/s
	Mixing ratio				100:100

Scope of delivery:

- ViscoDuo-V, assembled with two dispensers and two sensors
- Drive unit with DC, or synchronous servo motor and planetary gears
- Operating and maintenance manual

Necessary and optional components:

- 2-component dosing control ViscoDos-2K, Item number 131259
- Monitoring of medium feed, item number 132003
- ViscoMT-XS, item number 129877



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mail@viscotec.de • www.viscotec.de



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ZI La Marinière - rue Charles de Gaulle
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Tél. : +33 (0)1 69 11 81 75
infocolle@syneo.net - www.SYNEO.net