

# Equipment

## variomix A

### Standard

- Pressure vessel
- Double acting piston pumps
- Air motor with lever system
- Static mixing system
  - Twin snuffer valve
  - Disposable static mixer
- Metering computer with realtime Multitasking Operating System (64 programs be stored as standard, including 32 programs via external selection)
- 7" colour touch screen terminal

### Optional

- Static-dynamic mixing system
  - with mixer element monitoring
- Material pressure regulator
- Material filter
- Mixing ratio control and output rate through volume counters
- Adjustable output rate
- Start/stop trigger via handle grip or foot switch
- Pressure vessel with
  - level control
  - agitator
  - automatic refill
  - connection for vacuum pump
- Material supply through drum pumps for high viscosity materials
- Bypass
- Heating



DOPAG is one of the leading manufacturers of metering and mixing technology. In numerous industries, DOPAG systems and components are used for processing and application of multi-component polymers or 1-component media such as adhesives, greases and oils. The company employs more than 300 people and is represented in more than 30 countries by its subsidiaries and distributors.

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METER · MIX · DISPENSE

## variomix A

FOR THE PROCESSING OF LOW  
TO HIGH VISCOSITY MATERIALS



## Function

Pressure vessels, mounted onto a portable chassis, are used to supply the material into the piston type metering pumps where they are proportioned at the pre-selected ratio. The pumps are driven by an air motor. The stroke of the air motor is transferred to the pumps via a lever system. The mixing ratio can be infinitely adjusted between its limits by means of the lever system. The system is controlled by a metering computer.

The variomix A is fitted with a static mixing system that includes a 2K valve combined with a disposable static mixer. The valve contains an infinitely adjustable «snuffer» effect to avoid dripping after metering has finished. Should mixed material be allowed to cure in the mixer, it can be replaced simply and inexpensively, thus avoiding a time consuming, expensive and environmentally damaging flushing cycle.

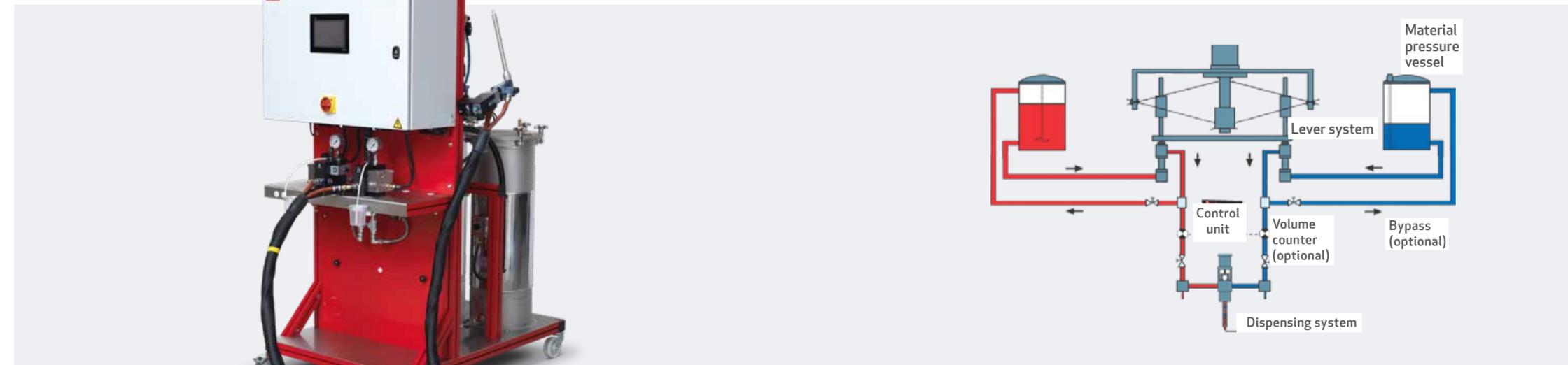
## Industries

These modern metering systems can be used in any industry where materials need to be applied in a high precision and repeatable way.

- Automotive
- Electrical and electronic
- Renewable energy
- Aerospace
- White goods
- and many more



## variomix A



The variomix A is a pneumatic driven piston pump type metering and mixing system, used to handle low to high viscosity multi component media such as epoxy resins, polyurethanes or silicones. They can be unfilled, filled as well

as abrasive. The system is available in two categories, A1 or A2 and is used in different types of applications. Therefore, the system is built in different configurations.

## Features and benefits

- Simple operation
- Variable mixing ratio
- Variable output rate
- Continuous flow rate
- Solvent free

## Application areas

- Coating
- Sealing
- Gluing
- Laminating
- Encapsulating

<b>Flow rate</b>	up to 2 l / min with A1, depending on mixing ratio and viscosity up to 8 l / min with A2, depending on mixing ratio and viscosity
<b>Mixing ratio</b>	100 : 100 to 100 : 10, by volume with A1 100 : 100 to 100 : 6, by volume with A2
<b>Maximum working pressure</b>	200 bar
<b>Mixing system</b>	Static mixing system <ul style="list-style-type: none"> <li>▪ 2K valve</li> <li>▪ Disposable static mixer</li> </ul>
<b>Material supply</b>	Pressure vessels, 6 to 120 l
<b>Viscosity range</b>	50 to 80,000 mPa s, with pressure vessel up to 1,000,000 mPa s, with drum pumps
<b>Material characteristics</b>	Unfilled, filled, abrasive
<b>Power supply</b>	110-480 VAC 3/PE / 50/60Hz 230 VAC L/N/PE / 50/60Hz
<b>Maximum air inlet pressure</b>	6 bar
<b>Dimensions, L x W x H</b>	from 1,500 x 1,100 x 1,900 mm
<b>Weight</b>	from 400 kg