

Horizontal Vacuum Mixer VMH

The Horizontal Vacuum Mixer VMH is used for the manufacturing of medium up to very high viscous products as sealants and adhesives, caoutchouc, polyurethans, plastisols, coatings, insulants and filler materials. Due to the operation under vacuum it is specifically suited for the manufacturing of reactive and moisture sensitive products.



Characteristics

- Closed system
- An integrated discharge system provides a nearly complete emptying
- Discharging under vacuum allows the finished product to be filled free of bubbles and cavities
- Careful mixing at low energy consumption
Sichere Temperaturführung
- Precise temperature control
- Catalysing may be done directly during the mixing process
- Homogeneous mixing ensured also at the fringes

Design

- The robust design ensures an extended lifetime
- Powered by an electrical gear drive
- Customer specific positioning of the product connections and flanges
- Integrated re-circulation pipe
- Logging and registration of all process data with integrated controls
- Efficient heating and cooling system for an optimized process control
- Low-maintenance operation

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Technical data

Type	Nominal volume [l]	Operation volume *[l]
VMH-1.2	1'240	1'000
VMH-3.0	2'950	2'300
VMH-4.2	4'200	3'400
VMH-6.8	6'800	6'000
VMH-8.8	8'800	8'000

*depends on the product



Nozzles on cylinder

Options

- Mixer on weighing cells
- Discharge pump
- Vacuum system with dry filter
- PLC control with graphic panel
- Integration in an existing control system with data trend registration and recipe management
- Operation and maintenance platform
- Planning and installation of piping systems



Seal flush system

System solution

The Horizontal Vacuum Mixer VMH may be extended with additional system components for a further automation of the mixing process and to ensure an efficient production up to the filling.

- Vacuum Mixing Dryer VT and Cooler VK
- Large Capacity Vacuum Mixer VGM
- Buffer Press HPP / VPP
- Drum and Pail Filling Unit FHA

Furthermore fitech ag provides engineering, planning and manufacturing of complete production plants.



Drive support