Vertical single-shaft mixer Type VM

The ideal mixing quality for dry, moist and viscous materials at variable filling levels in a short mixing time

The mixer can be designed to conform to FDA-standards to be used as a sterile mixer and reactor which also meets EHEDG requirements and the 3-A Sanitary Standards.

Mixing tool driven and supported only from above

OmgaSeal® without dead space

Large inspection door without dead space designed by Clever-Cut®

Standard connection flange with outlet flap, seals without dead space

Manual feeding hopper on demand

Washing nozzle

SinConvex® helical mixing tool provides excellent mixing quality

Chopper to improve the mixing process by deagglomeration

Mixing vessel and mixing tool welded and polished without gaps, inside with fillet

Mixing chamber: ATEX Zone 20

ComDisc® (patented) for complete discharge: During the final phase of the discharging, they sweep the ground. Thus, the last remnants are discharged without segregation.

VM 2000 for food colouring

Three-dimensional rearrangement

LIFESCIENCE

FOOD

ANIMAL CARE

DETERGENTS

CERAMICS

POLY
User Benefits

✓ This precision mixer is universally applicable to almost all types of dry, moist or suspended solids.

✓ The mixer guarantees ideal mixing qualities.

✓ Especially compact and robust design.

✓ Mixing tool driven and supported only from above. Everything is fully welded and polished without gaps.

✓ The inspection door is especially hygienic - manufactured according to the Clever-Cut® process with OmegaSeal® - and seals permanently free of dead space. On request also vacuum-tight or against overpressure.

Technical Data

<table>
<thead>
<tr>
<th>Vertical single-shaft mixer</th>
<th>Type VM</th>
<th>Approximate gross volume of the mixer</th>
<th>Approximate dimensions of the standard machines</th>
<th>The rotational frequency can vary widely from about 5.6 m/s to about 3.5 m/s. Usually vertical single-shaft mixers operate at low speed.</th>
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<tbody>
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<td>D</td>
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</table>

The drive power required can vary widely depending on the bulk density, flow characteristics, rotational frequency and the processing task (such as deagglomeration). Weight may vary considerably depending on the size of the drive and the type of design. The additional dynamic loads are very low.

Piloting

amixon® places special importance on the pilot phase in the test centre. Your mixing processes are simulated here. This way, we support you in your product development phase. amixon® has a main test center in Paderborn (Germany). Further test centers are situated in Japan, Thailand, India and the USA.

amixon® manufactures high precision mixers, vacuum mix-dryers, synthesis reactors and granulators with maximum fabrication depth. All components of the amixon®-mixers are made in Germany. The production of the machines takes place exclusively in the amixon®-factory in Paderborn, Germany.

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