



INDUSTRIAL & PILOT PLANT LINE MEGATRON® MT-SV

In-Line dispersers for sterile processing

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The sterile manufacturing process of pharma, cosmetic, food and life science require dispersing technology especially designed for process safety and quality. Among these features are high-grade stainless steel materials with fine surface finishes, approved static and dynamic sealing systems, SIP and CIP cleaning possibility and fully compliance with the required cleanroom classification.

The MEGATRON® MT-SV in-line series meets all of the highest level of standards and applicable international guidelines for sterile production in cleanroom environments with a proprietary and unique design of the KINEMATICA Rotor/Stator dispersing technology perfected over the years in close cooperation with our global Pharmaceutical customers.

Applications such as Eye drops and a variety of other Injectables can be effectively addressed by the MEGATRON® MT-SV line homogenizing technology that is characterized by the finest particle and droplet sizes and the narrowest degree of particles distribution.

MEGATRON® MT-SV industry-leading performances are achieved through Industry-widest range of rotor / stator combination geometries ranging from coarse to superfine as well as through an optimal shear rate.

The MEGATRON® MT-SV line is available in four standard sizes depending on the desired Throughput.

The KINEMATICA engineering team is at our customer disposal to meet different specifications by ensuring a seamless integration our MEGATRON® MT-SV into the production system by including all the required controls.





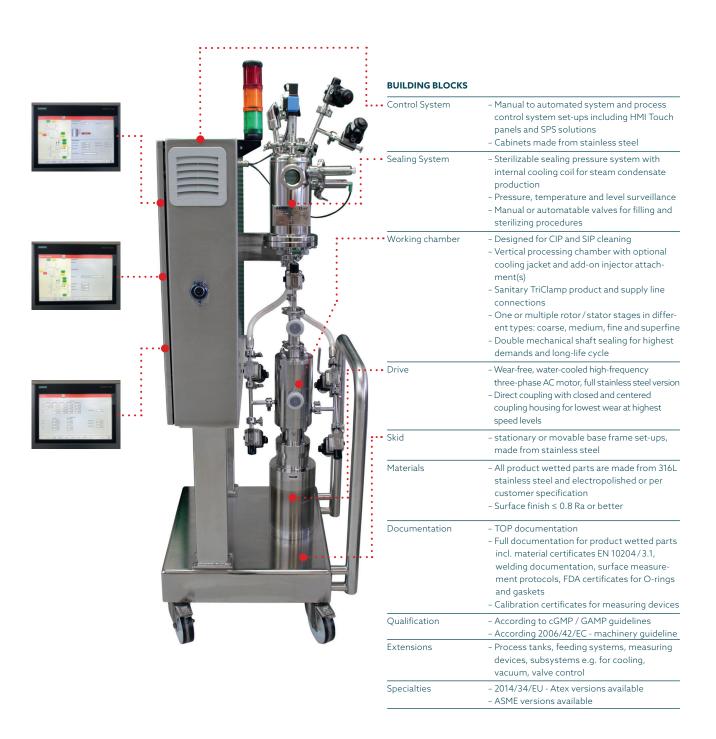
MT-SV STANDARD RANGE

Product	Ø Rotor	Throughput (Water)	Peripheral speed	Max. speed	Motor power
MT-SV 45	45 mm	1000 l/h	25 m/s	10600rpm	up to 4.0 kW
MT-SV 65	65 mm	3000 l/h	25 m/s	7700 rpm	up to 11.0 kW
MT-SV 95	95 mm	9000l/h	25 m/s	5200 rpm	up to 22.0 kW
MT-SV 160	160 mm	250001/h	25 m/s	3000 rpm	up to 37.0 kW









APPLICATIONS RANGE OVERVIEW

- Finest emulsions in various application areas
- Finest suspensions in various application areas
- Sterile production in cleanroom environments

SELECTED PHARMACEUTICAL PRODCUCTS

- Infusion solutions
- Ointments and creams
- Vaccines
- Medications
- Eye drops
- Wet milling of APIs



Our mission. Your solution.

Homogenizing perfected: for every industry.

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Kinematica's broad portfolio of solutions can address almost every dispersing application for the pharmaceutical, cosmetic, chemical, food and life science industry. Innovative powder-induction systems, solutions for completely sterile environments, or fully-compliant ATEX architecture are just some examples of the broad portfolio that Kinematica can offer with true scalability from pilot-plant to large plant configurations.

Our state-of-the-art technology, in addition to a professional consulting and engineering suite of services, can address a variety of processes such as blending/mixing/stirring, emulsifying, deagglomerating, foaming, crushing and homogenizing with particle size reduction from a few micrometers down to nanometers in size: the proprietary design and innovative geometry of our aggregates/generators can downsize and provide perfect statistical particle distribution for the finest emulsions/suspensions and foam dispersions.



PHARMA



CHEMICAL



COSMETICS



FOOD



LIFE SCIENCE





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