

Multimix 4 in 1 High Shear Mixer

The **Multimix HSM 2003 SV** is specially designed for emulsion processes such as creams, silicone emulsions and mayonnaise. It is also widely used for powder dispersions such as gum, CMC, carbopol, carbomel and pigment dispersions. Further applications are in the milling in the ink and coating process. Full scale up possibility to industrial size batch machines.

The main advantages are:

- Production of fine emulsions within minutes with the "V" type rotor/stator
- Elimination of "Fish Eyes" within minutes with the "V" type rotor/stator
- Elimination of "bubbles" without the usage of vacuum with a triple paddle mixer
- Dispersion of solid powder with viscosities of 75,000 cps with disperser and triple paddle mixer
- Elimination of dusting during powder mixing due to a triple paddle stirrer
- Achievement of less than 50 microns for a premixed dispersion with "V" type rotor/stator
- Achievement of less than 10 microns within one hour for carbon black with teflon disc, triple paddle and double disc
- Mixing capabilities from 100ml to 12 liters due to several diameter tools

Specifications

Model No	HSM 2003 SV
Power	1/2HP Compact AC Motor in Aluminum Housing
Drive	Single Phase, 110V/220V, 50/60Hz
Digital Inverter	Sensor Less Vector Control
Speed	Electronic Variable Speed Inverter 0-6000rpm
Material	SS 316L Wetted Parts
Mixing Capacity	Up to 12 liters (H2O)
Accessories	Rotor/Stator "V" Design, Single Vortex 35mm

Optional Attachments

Quick Interchangeable Accessories Without Tools

Mixing	High Flow Mixer 43mm, Triple Paddle Mixer 63 & 83mm
Dispersing	Disperser Blade 43, 63 & 83mm
Emulsifying	Rotor/Stator "V" Design, Single Vortex 25mm Rotor/Stator "V" Design, Double Vortex 50mm
Milling	Triple Paddle Mixer 63 & 83mm / Teflon Disc 45 & 65mm / Double Disc 45 & 65mm
Accessories	V Clamp

MIXING



High Flow Mixer • Triple Paddle Mixer

DISPERSING



Various Blade Sizes Up To 12-Litres Capacity

EMULSIFYING



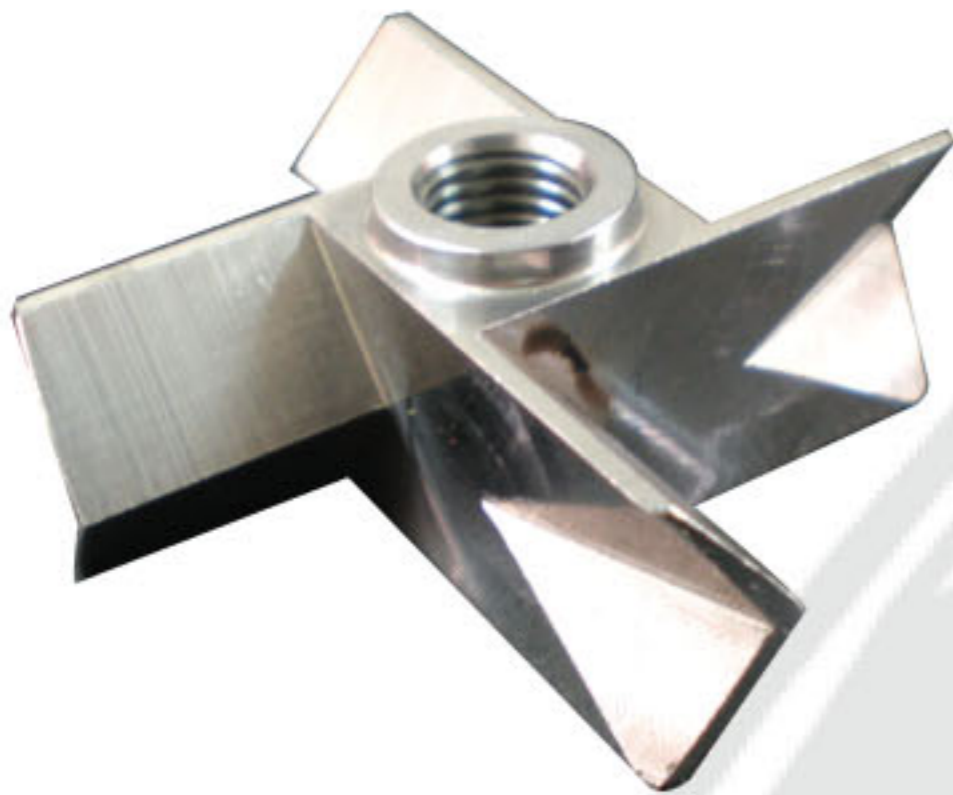
Single/Double Vortex Rotor Stator

MILLING



Triple Paddle • Teflon Disc • Double Disc





Rotor



Stator (SV)



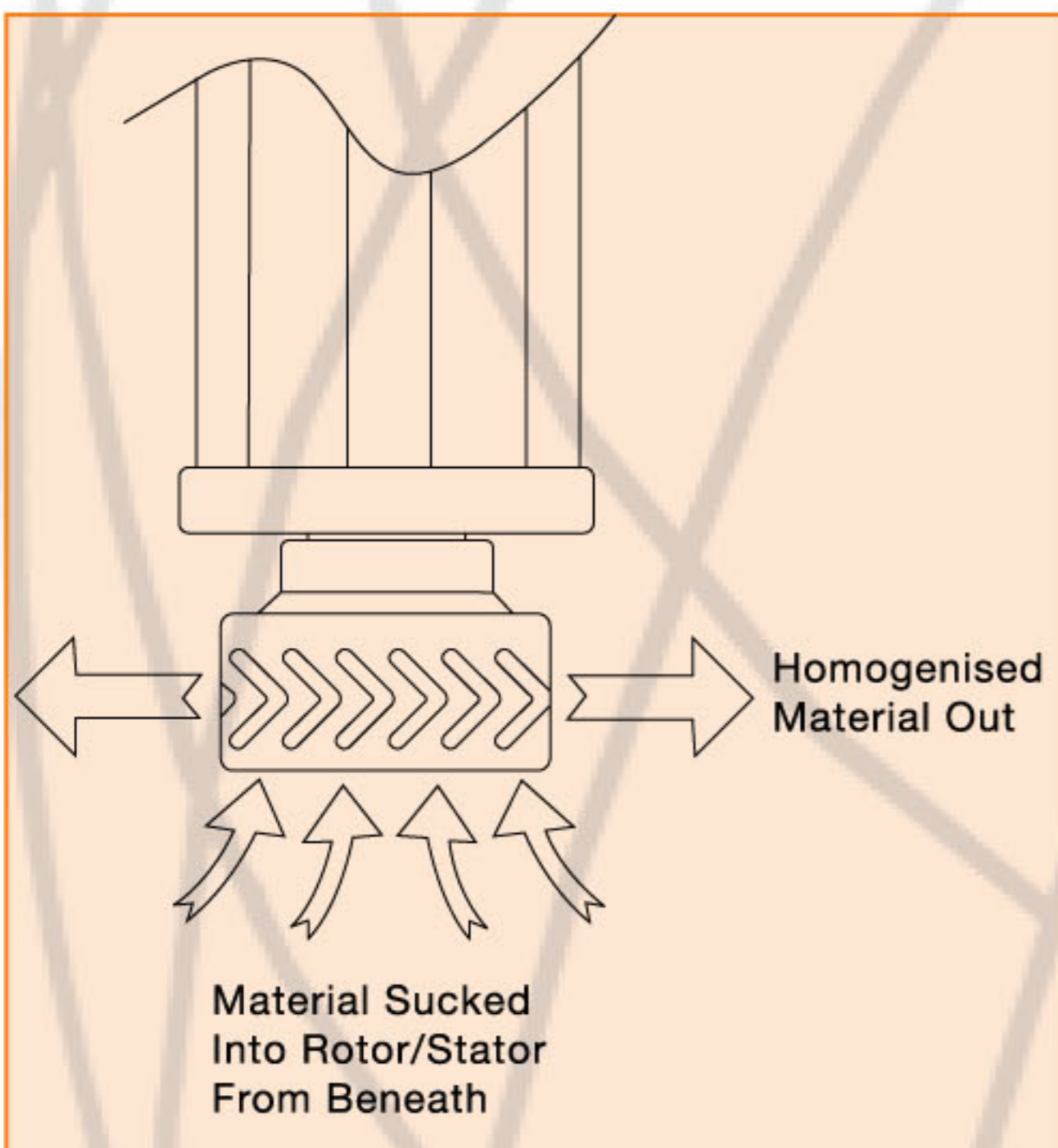
Stator (DV)



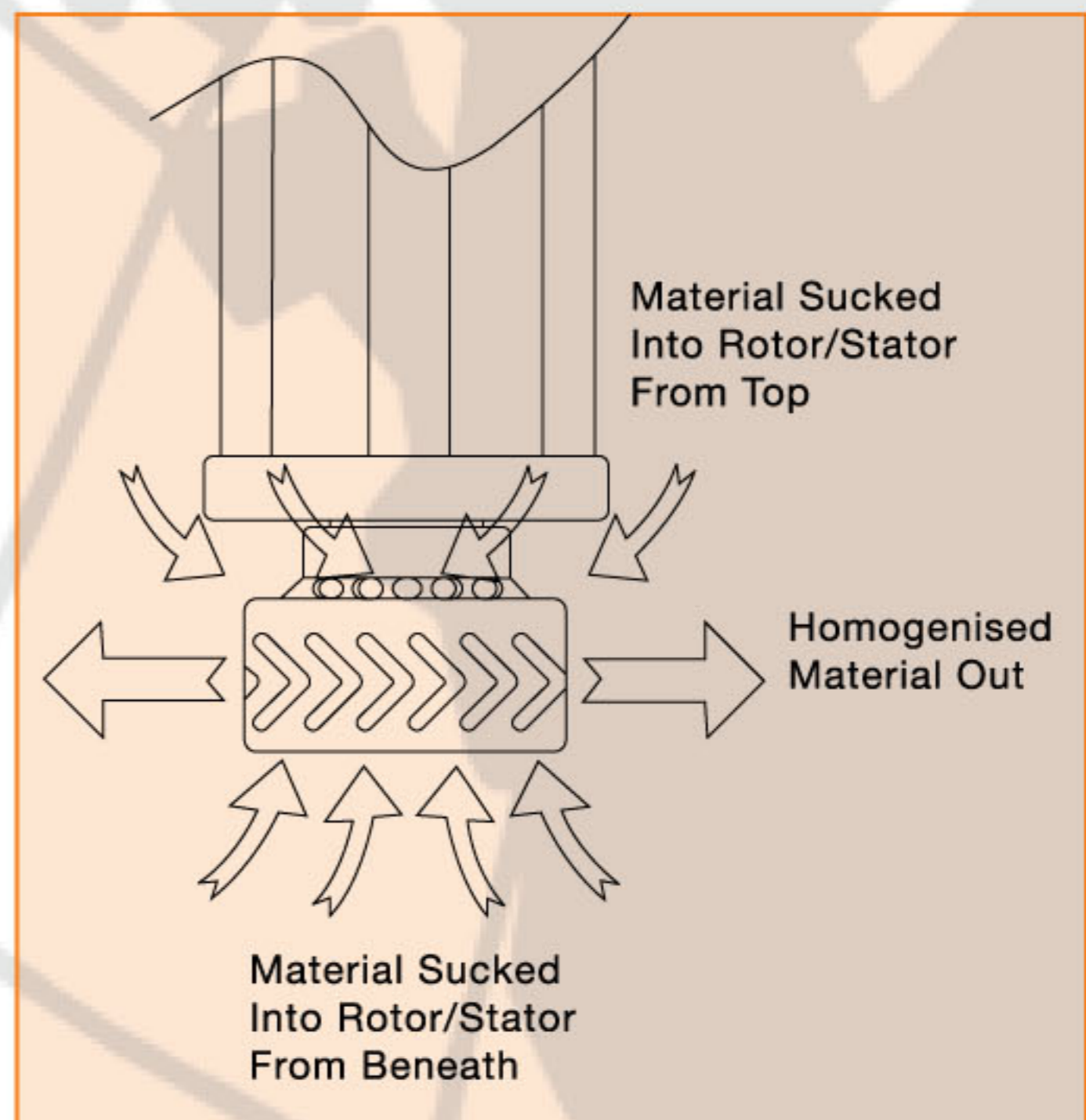
Rotor Stator



Single Vortex 25 Ø 50ml - 100ml



Single Vortex Flow



Double Vortex Flow