

MIXERS

NEUTRONE

NEUTRONE[®] HIGH SHEAR MIXER



Neutrone[®] High Shear Mixers (NHSM Series)

Available in standard and sanitary configurations to meet the exact needs of your process.

Neutrone[®] high shear mixer designs can be permanently mounted to the mix tank or suspended over the vessel using a portable or permanent lifting mechanism. When supplied with a portable/mobile lifting mechanism, you can enjoy the use of the mixer in multiple mix vessels and also in different areas of your manufacturing plant. Whether the lift is portable or fixed, you are able to vary the position of the agitator within the mix vessel, to fine tune the process and to handle a wide variety of materials.

Rotor/Stator Mixers are generally applied on products that are up to approx. 10,000 cPs. The four-blade high shear mixer rotor of the standard design, turns within a close tolerance stator. The higher energy units can rotate at speeds that can offer end results that are sometimes equal to or better than a conventional homogenizer. The rotor-stator mixer is great for applications that require fast particle size/droplet reduction. Homogenization, solids size reduction, emulsification, are perfect applications for this versatile mixer.



Neutrone[®] High Shear Mixer Specification

Model	Power (kW)	Speed (rpm)	Shaft Length (mm)	Volume (Water, liters)	Weight (kg)
NHSM-220	2.2	3000	800	100	55
NHSM-400	4.0	3000	900	200	75
NHSM-750	7.5	3000	1100	1000	170
NHSM-1500	15	3000	1300	2000	320
NHSM-2250	22.5	3000	1500	3000	550
NHSM-3750	37.5	3000	1600	5000	680

Neutrone® High Shear Rotor-Stator mixers are available with a selection of stator heads to help fine tune the mixer for your process.



Round holes for dispersion applications



Slotted for fine dispersions and size reduction of solids



Large square holes for high flow rates/size reduction



Fine screens for fine emulsions.



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