SANITARY INLINE MIXERS

Scott Turbon Mixer
A Hayward Gordon Company

HSP/HSM INLINE SERIES

Scott Turbon® Inline Mixers provide efficient and reliable high shear milling. The HSP/HSM Inline series will rapidly disperse, dissolve, hydrate, de-agglomerate, disintegrate, homogenize, and emulsify the most difficult ingredients. These mixers can pump low viscosity products eliminating the need for a transfer or circulation pump.

Advantages of using an inline mixer:

High Shear Pump (HSP)

- *High flow design*
- *Self-pumping*

High Shear Mill (HSM)

- *Highest level of shear*
- *Smallest emulsion droplet size*

Standard Features:

- High quality stainless steel construction
- #4 Sanitary polish (approx. 32 Ra)
- Clean-In-Place (CIP) design
- Interchangeable work heads
- Meets 3-A Sanitary Standards
- Single or double mechanical seals
- Easy tri-clamp assembly
- TEFC high efficiency motor
- Stainless steel baseplate
- Flows from 1 to 700usgpm

Optional Features:

- Stainless steel* or XP motor
- Higher electro-polish finish available
- Flow switch
- Mobile cart
- Mounted VFD
- Powder induction hopper

*Available up to 20HP

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HIGH SHEAR PUMP

The HSP provides efficient and reliable high shear mixing for new and existing applications. The self-pumping interchangeable rotors and stators can process the most difficult ingredients.

HSP Series Inline Models

Model #	Flow Rate (GPM[1])	Std. HP	Inlet/ Outlet	Weight (Lbs.)
M33-HSP-30	25	1 - 5	1.5”	150
M33-HSP-45	100	7.5 - 15	2”	300
M33-HSP-60	300	20 - 40	3”	500
M33-HSP-70	700	50 - 100	4”	1000

[1]Based on a water like viscosity.
Standard Scott Turbon® Mixer models along with typical flow rates and horsepower requirements.

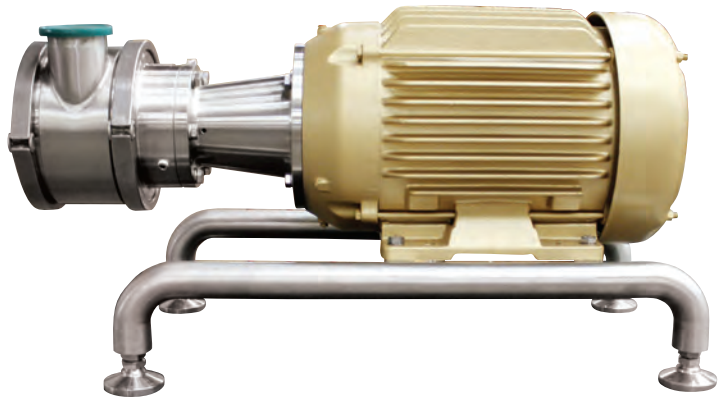
HIGH SHEAR MILL

The HSM provides efficient and reliable high shear milling for new and existing applications. The self-pumping interchangeable rotors and stators can process the most difficult ingredients.

HSM Series Inline Models

Model #	Flow Rate (GPM)	Std. HP	Inlet/Outlet
M33-HSM-30	2 - 10	2 - 3	.75 - 1”
M33-HSM-45	5 - 50	2 - 15	1.5”
M33-HSM-60	4 - 150	15 - 40	2”
M33-HSM-70	100 - 300	40 - 75	3”
M33-HSM-100	50 - 500	30 - 100	3”

Standard Scott Turbon® Mixer models along with typical flow rates and horsepower requirements.



TYPICAL MIXING

Applications

- Dispersion
- De-agglomeration
- Dissolution
- Hydration
- Particle size reduction
- Homogenization
- Emulsification

Industries

- Food & Beverage
- Pharmaceutical & Biotech
- Cosmetic & Personal Care

Systems can be designed and manufactured to include vessels, mixers, heating/cooling, powder feeds, weight systems, and UL certified controls.

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