MIXING HEAD TECHNOLOGY

Scott Turbon Mixer
A Hayward Gordon Company

MIXER HEADS

The design of each Turbon head simultaneously draws product from both the top and bottom of the batch while dispersing product rapidly throughout the tank. The unique mixing head provides great horizontal and vertical batch flow, ensuring that the product will be evenly sheared and dispersed.

HEAD A — The model "A" head is designed for rapid powder dispersion, dissolution, and emulsions. It features a cage-like shear element which helps disperse agglomerated particles and standardizes the consistency of the batch.

HEAD B — The model "B" head is designed for applications such as, mixing salad dressings, thick emulsions, or other viscous products. It features a large diameter, toothed disk, which enhances the flow characteristics of the batch.

HEAD C — The model "C" head is designed for applications where high flow and lower shear are required. It features a smooth disk which can easily blend shear sensitive products.

Mixer Head and Standard Batch Sizes

Head Size	Max Batch Size (Gal.)	STD. HP	Max Shaft Length	Weight (Lbs.)
1	10	1 - 2	24"	50
2	75	1 - 5	36"	80
L2	150	1 - 7 ½	48"	150
3	300	3 - 15	60"	250
4	500	5 - 20	72"	300
5	1,000	10 - 30	84"	500
6	2,000	20 - 60	90"	1,000
7	4,000	50 - 125	100"	1,600
8	8,000	125 - 200	120"	2,200
10	12,000	200 - 300	140"	4,600

Standard Scott Turbon® Mixer models along with typical volumes and horsepower requirements. Information provided for reference only.

Benefits:

- *Easy removal and CIP design*
- *Interchangeable mixing heads with Scott Turbon® mixing systems*

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Typical Mixing Applications and Ingredients

Applications

- Dispersion
- De-agglomeration
- Dissolution
- Suspension
- Reaction acceleration
- Particle size reduction
- Homogenization
- Emulsification

Ingredients

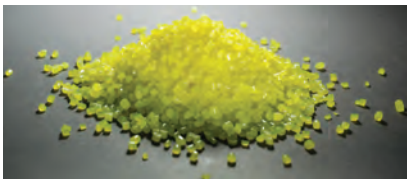
- Sweeteners
- Alginate
- Brines
- Pigments
- Flavors
- Casein (Protein)
- Pectin
- Dressing and Sauces
- Syrups
- Carbopol
- Xanthan gum
- Gypsum
- Powders

Sanitary Industries

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

Industrial

- Petroleum Engineering
- Chemical
- Automotive
- Asphalt
- Paints & Pigments
- Polymers



MADE IN THE USA

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