

MIXQUIP. YOUR PROCESS MATTERS

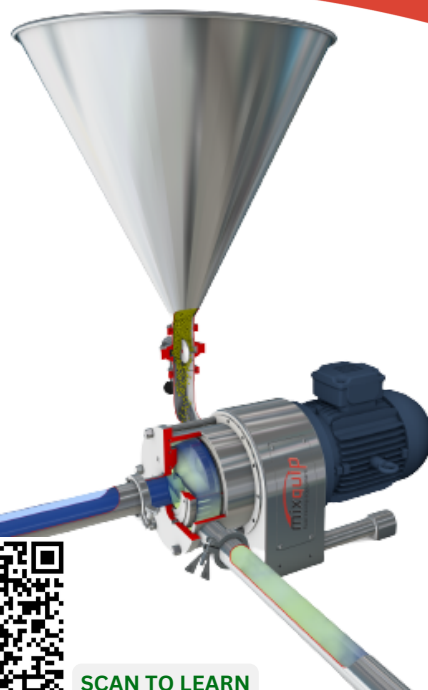
POWDER LIQUID MIXER

HIGH SHEAR: SERIES 620

POWDERS INTO LIQUIDS

The Mixquip Series 620 is ideal for dispersing hard-to-wet powders into liquid without agglomeration, floating or dusting.

The Mixquip Series 620 takes a ground breaking approach to mixing powders into liquids. Traditional powder-into-liquid mixers, often use a vacuum to pull powders into the liquid stream. The Mixquip Series 620 actually drives powder into the liquid stream. This unique action allows the Mixquip Series 620 unit to disperse and hydrate large volumes of hard-to-wet powders and additives, and can be accomplished with high viscosity products and at varying temperatures.



SCAN TO LEARN
MORE

APPLICATIONS

- Gum Dispersions
- Oral Suspensions
- Cosmetics & Toiletries
- Fumed Silicas
- Specialty Chemicals
- Oil Blending
- Suspending Agents
- Syrups & Linctus
- Carbopol Dispersions



PAINT & COATINGS



PHARMACEUTICALS



INDUSTRIAL



FOOD & BEVERAGE



CHEMICAL

*these applications are not limited. Please talk with our team if you have a specific duty.

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mixquip[®]
fluid mixing equipment

ADVANTAGES

- Suitable for operation at varying temperatures
- Hygienic and sanitary design
- Rapid powder incorporation rates
- Suitable for higher viscosity mixtures of gels, gums and thickeners.
- Reduced energy consumption
- Easy to load, low ergonomic design
- Water flush seals

MIXQUIP ADVANTAGE

Mixquip range of products are Australian-made, stocked, assembled and distributed from our Sydney based factory, allowing for efficient response to market needs with short lead times and quality service. Mixquip range of agitators can also be purchased online, backed by a great support team who understand your process matters.

STANDARD MODEL RANGE

	A	B	C	D	E	F	G
620-1	195	354	379	415	765	140	90
620-2	195	354	379	457	800	165	100
620-3	195	354	379	520	900	165	100

TYPICAL PERFORMANCE

Model	Liquid Flow Rate (m ³ /hr)	Typical powder incorporation rate (kg/min)		
		Sugar	Carbopol™	Titanium Dioxide
620-1	5 - 20	20 - 50	10 - 30	15 - 60
620-2	10 - 40	50 - 120	20 - 50	30 - 100
620-3	25 - 60	100 - 350	40 - 120	90 - 250

OPERATING SEQUENCE

STAGE 1

The self-pumping mixer recirculates liquid from the process vessel through the workhead at a high velocity.

STAGE 2

After the powder is added in the funnel, the valve under the funnel is opened and the materials are drawn into the mixing chamber and subjected to intense mixing in the chamber by the high-speed rotor.

STAGE 3

The powder and liquid components are forced through the high shear workhead and are instantly combined as they are subjected to intense mechanical and hydraulic shear. The resultant mix is pumped into a vessel.

