



Liquid Mixing



PV
RANGE

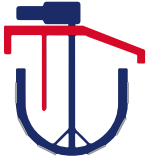
Mixing all ways

Process Vessels

Winkworth process vessels are hygienically designed, robustly engineered and suitable for a wide range of applications. Used for processing of aqueous fluids, viscous liquids and creams/gels. Parameters can be varied to achieve to powder dispersion, emulsifying, heating and cooling and vacuum.

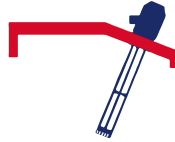
Supplied as a 'standalone' vessel or a process within a fully integrated turnkey system.

Stirring / Agitation



Anchor

side wall scrapers for slow, gentle mixing. Option fixed stator blade.



Homogeniser

for emulsions/dispersions - top entry, bottom or inline.



Contra-rotating

blade for thicker products, creams and gels.



Angled anchor

vertical and radial sweeping action of the mix.



Propeller agitator

for turbulent mixing of liquids - axial flow, marine propeller, dispersator. Turbines - axial/radial flow, tri blade.



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Options

- **Stainless steel** construction for all contact parts. Pharmaceutical finishes available.
- **Jacketed** – steam, oil or water heating.
- **Control panels** – optional, designed to suit instrumentation, eg temperature, recipe management, HMI.
- **Lids** – special lids with options for lift and tilt agitators or vacuum.
- **Outlets** – ball valve, butterfly valve, flush fitting lowering stem valve or vessel tilt.
- **Platforms** designed and manufactured to suit.
- **Vacuum models** for de-airing or rapid cooling applications.
- **ATEX models** for flammable or explosive processes.



Process Vessel (PV) liquid mixers are used across many industries including personal care, pharmaceutical, confectionery and ready meals.

Cosmetic creams and lotions, shampoos, soaps, pharmaceuticals, sauces, jams, chutneys, preserves, syrups, meat products, ready meals, confectionery, adhesives, fats, chemicals, shoe polishes, gels, inks and coatings, oils, e-cigarettes.

Winkworth is the largest UK industrial mixer manufacturer with a long and respected history in providing bespoke mixing solutions from lab size to full scale production models. Winkworth mixers are used across a range of industries including food, chemical, pharmaceutical, ceramic, metal and plastics and for a

variety of applications, including gums, pastes, powders and liquids. Winkworth's equipment is uniquely engineered to customer requirements, supplied and installed worldwide and can be available as a mixer hire option. Full trials are available at their Mixing Test Centres.



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