

PULSE AIR MIXING SYSTEM

INNOVATIVE & EFFICIENT COMPRESSED AIR MIXING

www.PULSEMIXER.com



PULSE MIXER
DRIVING EXCELLENCE
IN QUALITY AND SERVICE



WHO WE ARE?

Established in 1992, Premier Six stands for the most innovative, reliable and cost-effective mixing solution for use in multiple industries. Headquartered in Singapore, Premier Six has undertaken and completed numerous turnkey projects and system integrations for various industries such as Petroleum, Petro-chemical, Food & Beverages, Pharmaceutical, waste water treatment, Paints etc.

Highest
quality global
services

Encapsulating the Group's operating ethos – "Driving Excellence in Quality and Service", Premier Six ultimately serves as a yardstick for the Group to benchmark against the standards of leading companies around the world.

GLOBAL PRESENCE

With offices in five continents, and having completed projects in many locations around the world, we have the global presence and experience necessary to help you capitalize on opportunities in developed and emerging market.



CUSTOMER TESTIMONIAL

*"The Pulse Air Mixing System has served us well for our mixing needs since acquiring and operating the terminal. **The system reduces operational costs and eases operational efforts versus a circulation system using a product pump.** This solution permits the tanks to be constructed with a single pipeline for product movement and is independent of our product transfer pumps. In addition the Pulse Air solution has fewer moving parts which consume less energy per hour by running air compressors versus circulation and/or product transfer pumps."*

OILTANKING Terminal Manager



HOW DOES IT WORK?

Pulse air mixing system is a revolutionary mixing system for various mixing applications. The system uses compressed air to create large bubbles that will quickly mix the contents of the entire tank in a relatively short time frame.

Harnessing the 'Big Bubble' Power

- ✓ Compressed air is released in pulsing pattern at bottom of the tank, sweeping the product across.
- ✓ Compressed air forms big bubble as it rises up the tank, pushing the bottom product upwards.
- ✓ Due to a displacement effect, the product from the side rushes in, creating a vertical mixing action.
- ✓ The big bubble pops at the surface, pushing the product to the side and down, creating a circular mixing action.

TANK NETWORK SYSTEM

Pulse air mixing system is a simple to operate and cost effective system that is specially designed for batch mixing tank capacity from *1cbm to 2,000cbm*. It is catered for mixing applications only and is available as a fully pneumatic system or electro-pneumatic system.

The system comes with a standard 5.7" touch screen for ease of usage. Mixing parameters can be set or pre-set easily for a wider range of products with differing viscosity.



VISCOSITY INDEPENDENT

Pulse air mixing system is viscosity independent. It offers flexibility for variable speed mixing where the parameters setting can easily set to cater to wide range of products ranging from light to very heavy viscosity.



NO MOTOR, GEARS, SEALS

Pulse air mixing system has no moving parts within the tank, resulting in zero damaged seals to repair, gears to change or blades to replace. This would mean there will virtually be no operation downtime.



TANK DESIGN VERSATILITY

Pulse air mixing system can be fitted and operate in almost any design of tank. Regardless of the shape, size, volume; be it round, square, rectangular, short and wide or tall and narrow.



MULTIPLE TANK MIXING

Pulse air mixing system is capable in simultaneous mixing to a maximum of **Eight (08)** tanks that are located in the same area grouping.





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GET IN TOUCH

Call us and we will notify our
representatives to get in touch with you

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