

# PULSAFEEDER®

PVC Inline Mixer: Reduces Pressure Drop by 50 Percent.

The Pulsafeeder inline mixer utilizes a unique internal design, which uses ordinary line pressure to create high levels of turbulence, enhancing the mixing of fluid additives with the product stream. The inline mixer is virtually maintenance free with no moving parts and installs quickly and easily with no special tools or additional components. These inline mixers are used in a wide variety of processes, such as chemical blending, pH control, water treatment and chlorine mixing.

The triple turbine inline mixer induces the turbulence needed for increased mixing performance with a decreased differential pressure. This triple turbine changes the directional flow of the fluids, allowing mixture prior to exiting the mixing chamber.

## Features

- High flow rates
- Improved mixing performance
- Reduce energy consumption
- Large wrench flats
- Reduce backpressure during operation
- PVC construction, with stainless steel bands, aids in chemical compatibility
- Clear PVC sight tube allows easy viewing of the mixing process
- Standard 1 in. female NPT threads on the inlet and outlet ports
- Standard ½ in. female NPT threads on the injection port

## Operating Benefits

- PVC construction
- Accommodates flow rates from 3 to 25 GPM
- 140 psi



## Aftermarket

- Double Wall Containment Tanks from 15 to 500 gallons.
- 1, 2, or 4 Drum Spill Containment Pallets.
- Loading Ramp and Pallet with or without Cover.

## Static Inline Mixer

# Static Inline Mixer

## PVC Inline Mixer: Planning and Installation Instructions

These instructions are intended to be used as guidelines solely for the installation of the Pulsafeeder PVC inline mixer. They are not to be used with any other product or any other manufacturer's product. The mixer should only be installed by someone with knowledge or experience of the state and local plumbing codes and installation of similar devices. The installer should follow all state and local codes when using this device. The mixer should be inspected every 6 months.

### Prior to installation, check to verify that all limitations and guidelines of the mixer are met:

- The limits of schedule 80 PVC pipe, or any attachments to the mixer, must not be exceeded.
- The mixer needs to be installed on a cold water supply line.
- The mixer should only be used in conjunction with approved chemicals.
- Appropriate water hammer and/or surge suppressors should be installed and working before the mixer is installed.
- The mixer should be installed at or near a floor drain so that any drips or spills will be captured by the drain.
- The mixer should be located away from high traffic, child play or other areas where damage can occur.
- Pipe joint compounds and PTFE paste products may react with PVC, resulting in stress cracks. For best results, use PTFE tape or Loctite® 55 pipe sealing cord, or equivalent.\*
- Do not use pipe wrenches on the clear pipe section.

### Installation process and procedure:

- In an acceptable installation location, connect the inlet port of the mixer (B) to the water supply source using the 1 in. female pipe threads on the mixer. Caution: **DO NOT OVERTIGHTEN. PVC PIPE THREADS SHOULD BE TIGHTENED FINGER TIGHT AND THEN 1 TO 2 ADDITIONAL TURNS.** Do not place wrenches on pipe and opposite end connection. Wrenches must be placed on end connection to which pipe is being attached.
- Attach an outlet pipe to the outlet port (C) of the mixer using the 1 in. female pipe threads on the mixer. Follow over tightening and wrench placement cautions above.
- Attach adequate mounting supports to the mixer and connecting piping.
- Install an appropriate check valve to the ½ in. chemical injection port (A).
- Install the chemical injection pump to the check valve.
- Pressurize and test the mixer and chemical injector.
- Check and correct any leaks.

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