

PolyBlend® PB Series Polymer Feed System

Water Technologies

SIEMENS

The Original

Dependable Motorized Mixing

Clear Mixing Chamber
Visual indication of mixing polymer feed and efficiency.

Water Flow Sensor
Differential pressure switch monitors water flow and will disable pump at low flow.

Compact Design
Simplifies installation and makes the unit portable.



Stainless Steel Chassis
Rugged corrosion resistant housing.

Simple Electronic Controls
Standard controls allow local or remote control. The choice of manual digital pump speed or automatic pump speed adjustment via 4-20 mA input.

Handy Controls
Pumping rate, dilution rates, stroke adjustment, all in close proximity.

Polymer Feed Pump
Includes priming port for quick start up with no mess and no additional piping.

Trusted and Proven
Improved and refined over 15 years, the PolyBlend® PB Series system is the most popular liquid polymer feeder ever offered, with over 10,000 units at work around the world.

Various models cover a polymer solution flow range from 0.1 to 20 USGPM. Unlike most polymer feeders, the PB Series system works equally well at very low flow rates.

Compact and Portable
The PB Series system is compact. Its footprint is only 1 to 1.5 square feet depending on frame size. It is lighter than most other polymer feeders, making it ideal for portable use or where intermittent use requires the system to be stored in one location and used in another.

PB Series Model Numbering Guide

The model numbers for the PB-Series units can be generated as follows:

Example: PB200 – 2

Water Flow Rate in LPH (GPH)
61/(16)
190/(50)
380/(100)
760/(200)
2280/(600)
4560/(1200) use 1000 in model #

Diaphragm Pump Output in LPH (GPH)
1.5/(0.4)
3.8/(1)
7.6/(2)
17.1/(4.5)
30.4/(8)

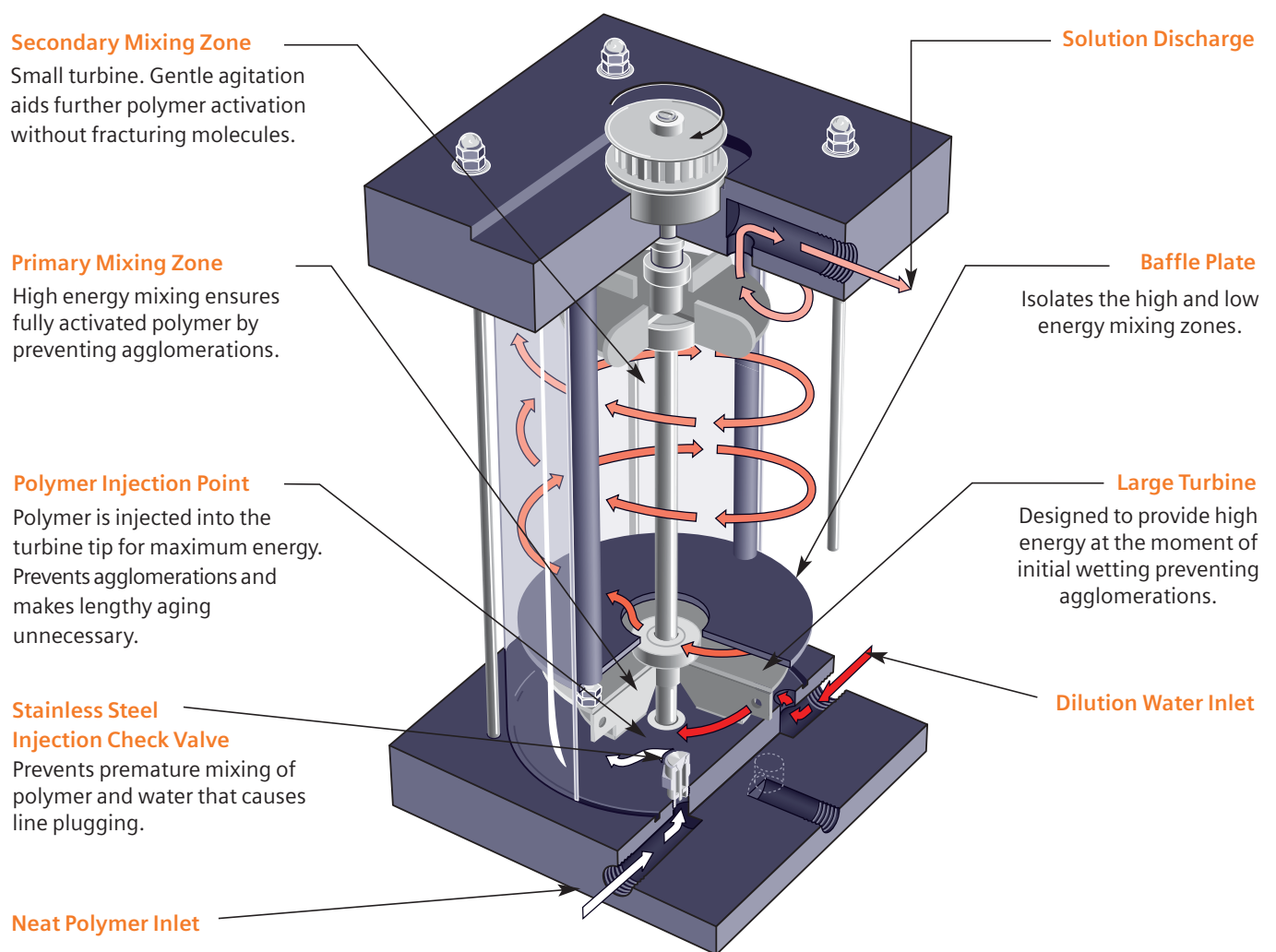
Patented Motorized Polymer Mixer

The Right Energy at the Right Time

The patented multi-zone mix chamber provides uniform dispersion energy at the moment of initial polymer wetting. This high energy mixing prevents agglomerations, eliminating the need for extended mixing and aging time. The partially swollen polymer then enters a low energy zone where activation continues without the destruction associated with batch mixing.

More for Less

Replacing a batch mixing or static mixer system with a PB Series system results in reduced polymer consumption (20-50%) and improved performance. Polymer use is reduced by eliminating agglomerations (wasted polymer) and fractures (broken molecules). Improved performance is realized by exposing more charge sites.



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Covered by the following patents: US 5284627 and 5284626

The information provided in this literature contains merely general descriptions or characteristics of performance which in actual case of use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of the contract.

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