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Infuser Aviator EPX™ Semi Automatic Plural Component Epoxy Injection System

The Infuser series of RTM Injection systems represent the leading edge technology in the world today for both RTM and LRTM professional molding production. The entire Infuser series of pumping and mixing systems are built on the proven reliability of over 10 years of worldwide production use in the most demanding RTM applications. **Each of the machines from the Infuser Alpha to the Infuser PRG are well suited to mold components from the size a Baseball Cap to a 22' (7 meters) Boat Hull.**

The **Infuser Aviator EPX™** featuring the addition of the **Auto Link RFID / Remote Control system**, as well as, the added 15' hose sets allowing the Mixhead to be brought to the mold, minimizing the waste of resin while improving the ability to control pressure and flow rate. The Infuser Aviator allows you to enter into the "semi-automatic" level of automation that brings instant improvement to your bottom line through less material wastes and improved molding quality.

Today there simply is no equal to the Infuser series of RTM & LRTM injection systems, from the Alpha, to the Aviator and up to the "Ultimate" with the features available on the Infuser PRG system. You will find the reliability, accuracy and repeatably of the Infuser series of injection systems is second to none in the industry world wide.



Infuser Aviator EPX™ - Begins Your Advancement to the Highest Level of Molding!

The Infuser Aviator begins to bring a true sense of automation and process control to today's RTM & LRTM molding process. Professional molders have come to trust the advanced features of the Infuser Aviator over manual injection systems as their "competitive advantage in the market. The Infuser Aviator stands alone in its price class in having all of the advanced features of RFID mold Tag identification, Programmable Gel-timer and Flow Rate display. All this while giving up none of the proven hardware features of the Infuser series pumping and mixing systems. The Infuser Aviator truly the most advanced system in its class, bar none worldwide!

STANDARD FEATURES of THE INFUSER AVIATOR EPX

- Full instrumentation control panel
- Automatic **INJECTION PRESSURE CONTROLLER (IPC)** which is a pneumatically controlled mold Injection Pressure Control system. This constantly regulates injection pressure to ensure fast and safe mold-fill
- Hardener over-pressurization, providing a fail safe relief for the unlikely event The Catalyst system becomes blocked preventing the hardener system rupture.
- Simple slave arm ratio adjustment
- Automatic Resin & Hardener recirculation valves at the mixing head.
- Resin inlet hose and filter suitable for 55 gallon drum.
- Hardener inlet hose and filter suitable for 5 gallon pail.
- Two stream mixing head with static mixer element.
- **15' Hose set** including Resin and Hardener recirculation lines
- Solvent flush system using a frame mounted 5 gallon heavy-duty stainless steel **ASME rated** pressure solvent tank with separate AIR ONLY purge. This ensures a unique and highly efficient solvent/air emulsification, giving lower solvent consumption per head flush. Each of the Air / Solvent / Air sequence are PROGRAMMABLE for precise highly efficient Flush each time.
- "E-STOP" Emergency stop with controls lock-out function.
- **Real Time Flow Rate Display** – The **actual flow rate is displayed** on the panel mounted controller which shows both the Flow Rte during the injection as well as the current stroke count.
- **Elapsed Time Display** – The actual injection time is recorded in real-time during the injection providing a convenient method of timing the injection.
- **Programmable Gel-Time with Audio Alarm** – **Eliminates the concern over the Operator forgetting to Flush the Mixhead.**

Additional Details:

- **Real Time Flow Rate Display** – The flow rate is displayed on the panel mounted LED controller panel display during the injection. Both the remaining stroke counts and the Flow Rate are displayed in real time during the injection. The operator will use the Flow Rate display to adjust the injection speed keeping the flow rate within a prescribed value and maintaining a consistent injection process.
- **Injection Pressure Controller (IPC)** – The injection pressure controller allows the operator to set a MAXIMUM resin injection pressure that is allowed to flow from the end of the mixhead into the mold. This acts as a "governor" to set a ceiling pressure for the injection. This works in combination with the "Pump Speed" setting which is also set by the operator.
- **Infinitely Variable Hardener to Resin Ratio** – This adjustment is made by simply sliding the Hardener pump along the slave arm to the desired hardener ratio.



- **Programmable Gel-Time with Audio Alarm** – One of the most common and costly repair and cause of equipment down time is due to the operator forgetting to flush out the Mixhead after an injection. The Infuser Aviator has a built-in programmable gel-timer that allows the supervisor to set the maximum time allowed after an injection before the operator must flush the Mixhead. If in the event the operator gets side tracked or forgets to flush after the gel-timer times out, then an alarm sounds reminding the operator he must clean out the mixhead by flushing immediately. This feature alone has proven to be one of the best “up time” features available for a LRTM injection system.

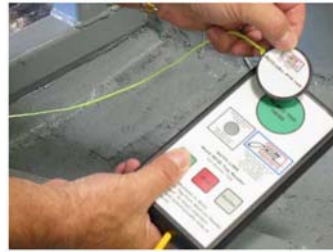
Cost as described above:

**Infuser Alpha Aviator EPX™ system as listed
with 7 to 1 ratio power head 15” Hose set***

Total Value list Price: **\$13,180.00
Upgrade to the 11 to 1 power head for \$361.00 extra**

Additional Options:

- **RFID Auto Link – RFID Tag reader with remote control at the Mixhead**



RFID Auto Link Option: \$1,385.00

Do not pay list – Call today for Your Special Price.

**The Infuser Aviator EPX™ is the Leader in the
Industry for a Semi-Automated System!**

* Other Hose lengths available call today for price and availability