

# PosiFlow In-Line Adapter

**The PosiFlow In-Line Adapter enables the PosiFlow Sensor to be used with pumps that cannot directly accept the sensor in the air vent valve.**

## **E90599 - 3/8" In-line adapter assembly for the PosiFlow Sensor**

The PosiFlow sensor threads into a PVDF adapter on the branch end of a PVDF tee with 3/8" OD tubing connections on both ends for easy in-line mounting in the tubing.

## **E90600 - 1/2" In-line adapter assembly for the PosiFlow Sensor**

The PosiFlow sensor threads into a PVDF adapter on the branch end of a PVDF tee with 1/2" OD tubing connections on both ends for easy in-line mounting in the tubing.

**Metric size tubing connections are available.  
Contact your distributor for information.**



The in-line adapters allow the PosiFlow to be inserted directly in the discharge line of an E-Series solenoid metering pump. With the in-line adapter, PosiFlow sensors can now be used in many more applications – with the multifunction valve, pumps without manual air vent valves, downstream of the first generation auto degassing valve and even other manufacturers' pumps.

Any solenoid driven pump that meets the required PosiFlow parameters (40-45 PSI back-pressure, 150 PSI limit, 500 cps max viscosity, etc.) will work as long as the PosiFlow is used within its operating parameters. Reference the PosiFlow instruction manual for more detailed information.

When mounting the PosiFlow in-line, the pulse from the solenoid stroke is dampened by the tubing, so the PosiFlow should be mounted as close to the pump as possible for the best installation and operation. If the pulse is too low, or the backpressure is less than 40 PSI, a spring is available for the Walchem 3/8" injection valves (E90375) that will upgrade them to approximately 50 PSI. Otherwise, a separate back pressure valve may be used to generate the required minimum of 40 PSI back-pressure (non-spring loaded back pressure valves are not recommended).

The PosiFlow in-line adapter is also recommended for the E31/ E36 when the system back pressure is 90 PSI or higher. Although the PosiFlow can mount directly into EHE pumps' manual air vent valves, the pulse from the EHE is so powerful that the PosiFlow sensor can become damaged when mounted directly into the pump. The in-line adapter enables the PosiFlow to be mounted in the tubing, dampening the pulses, and providing a better installation for applications with EHE pumps.

