



Installation, Operation and Maintenance Instructions
Mizer® 4010 Retrofit Kit
For
FMC Invalco General Purpose Enclosure CT Flex Tube Controls

WARNING

User must isolate the control from signal pressure prior to disassembly and installation of this product. Failure to do so may result in free flow of gas during installation, property damage and/or personal injury. Always employ upstream and downstream pressure gauges to monitor startup pressures.

STOP!

During disassembly **DO NOT** discard the original tubing fittings and mounting screws, as they will be used to install the retrofit.

- 1) Shut off supply pressure to controller. Disconnect supply and output tubing lines. Remove tubing fittings from pressure block.
- 2) Unscrew the four screws holding pressure block to level control case and remove block from case. Reverse the flapper assembly by moving the angle bracket and adjusting screw to the opposite position (see Photos 1 and 2 below).



Standard Invalco control (bracket up)



Invalco control with Mizer (bracket down)

- 3) Mount and secure pressure block provided in kit. Install supply and output tubing fittings. **NOTE: Purge supply line before making connection to assure evacuation of any particulate.**
- 4) Connect supply and output tubing lines.
- 5) Lightly coat the Mizer valve O-rings with a general purpose lubricant. Install the Mizer valve from the bottom, up through the pressure block by screwing it in a clockwise fashion. Thread the Mizer into the control case until the O-ring makes up tightly.
- 6) Turn on supply pressure to 25 psig. With the fluid below the displacer, move the flapper adjusting screw downward until it makes contact with the poppet and achieves a 1 to 3 psig output signal. Back the flapper adjustment screw off until the output falls to 0 psig.
- 7) Adjust level as needed.

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