

Installation and Calibration Instructions

Model 7010 **MIZER**® Retrofit Kit Pilot Valve

for Fisher Model 2500 Level Control

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.

Application

The Model 7010 Retrofit Kit is designed to convert an existing high-bleed Fisher Model 2500 Level Controller to a low-bleed configuration. This reconfiguration results in significant gas savings, as well as providing a much cleaner and safer environment.

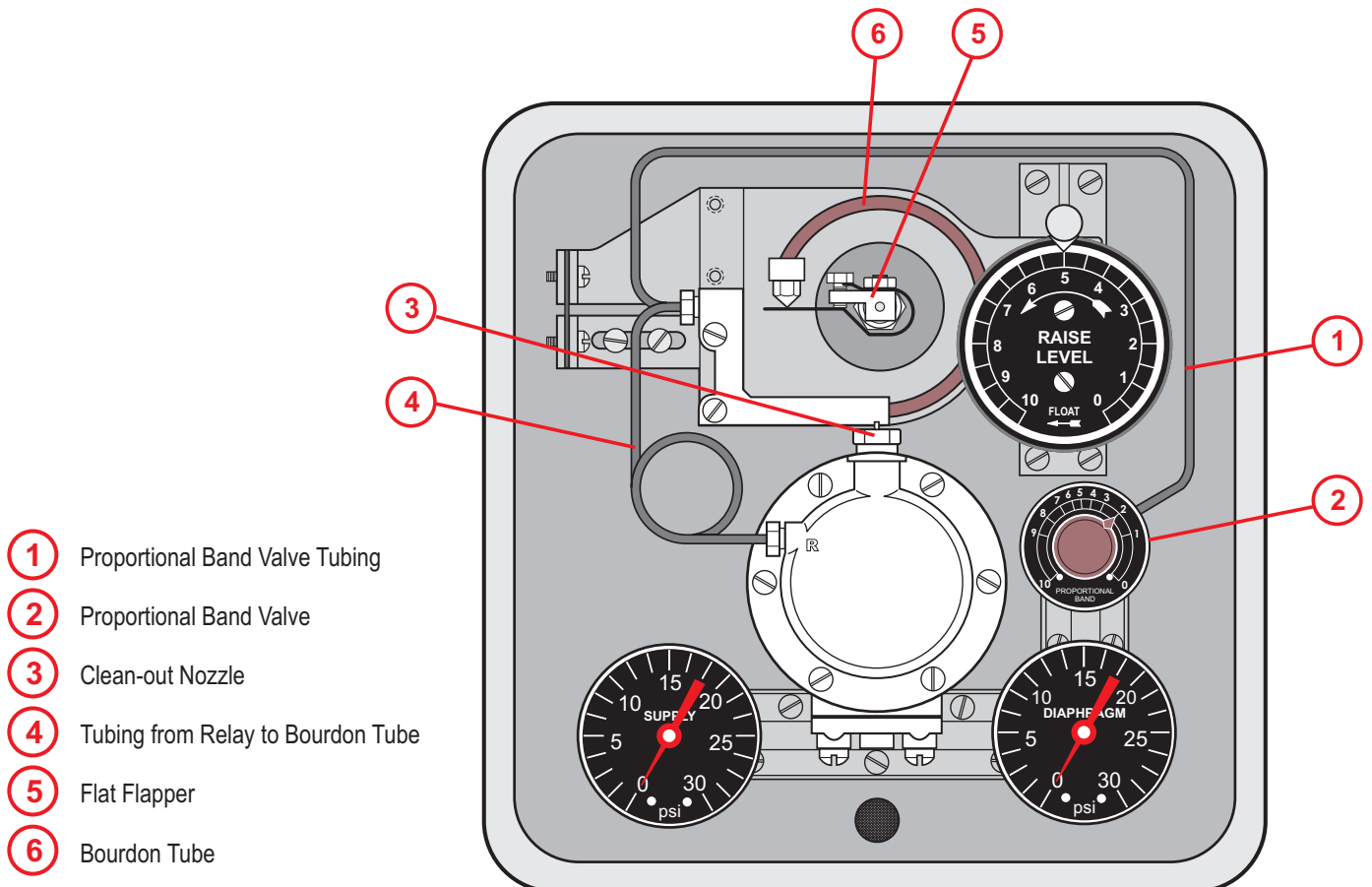
Dismantling of Existing Components

Shut off supply pressure and process pressure to the controller. Remove the Proportional Band Tubing (1) along with the Proportional Band Valve (2).

Remove the Clean-out Nozzle (3).

Remove the Flat Flapper (5) and the Tubing from the Relay to the Bourdon Tube (4) and then remove Bourdon Tube (6).

Discard all removed items, as they will no longer be required.



Installing Mizer® Retrofit Components

Install Proportional Band Port Plug (E) and Clean-out Nozzle Replacement (A).

Install Replacement Flapper Arm (B), positioning it in a horizontal position and tightening the set screw.

Place the Pilot Valve Bracket Slide (C1) into the slot on the back of the Pilot Valve Mounting Bracket (D), securing with two screws and positioning the bracket as horizontally level as possible.

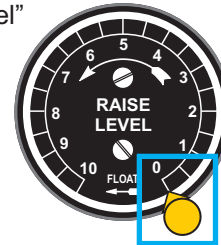
Install the Retrofit MIZER® Pilot Valve (C), using the two screws to position the valve assembly perpendicular to the flapper arm.

Install the Replacement Supply Tubing (F1) from Clean-out Nozzle Replacement to Supply Port of Retrofit MIZER® Pilot Valve. Finally, install the Replacement Output Tubing (F2) from the Relay to the Output Port of the Retrofit MIZER® Pilot Valve.

Calibration Procedure

Turn on instrument supply pressure.

Set the "Raise Level" Dial setting to "0".



Loosen the bracket screws and slide the MIZER® Pilot Valve horizontally until it is positioned at approximately the center of the Flapper Arm. Slide the MIZER® Pilot Valve vertically until the poppet makes contact with the Flapper Arm. Retighten the screws.

Turn the "Raise Level" dial to the desired setting.

