

MISER No-Bleed Pilot Valve Application

The MISER No-Bleed Pilot Valve is the most cost-effective solution for converting high-bleed pneumatic controls to low-bleed operation. This device effectively stops continuous bleed operation between dump cycles, thereby reducing environmentally-concerning methane emissions, while allowing previously wasted gas to be sent to the sale line. Conservatively, user can anticipate 90% savings from recaptured gas based upon estimated cycle rates of the controls. 95-98% values may be achieved in some applications.

Features

- Cemco Cantilever Level Controls
- Cemco kits are field-installable in minutes –unit does not have to be shut down for installation. Installation of pressure controller kits, although more in-depth, are still the most painless and cost-effective solution for converting high-bleed to low-bleed.
- Uses existing tubing and connections – no new plumbing required.
- MISER works in either snap acting or throttling application.
- 100% Made in the USA
- Increased performance and eliminating leaking
- Highest Quality at the lowest price points
- Sold individually or with our snap heads
- 12 months of field testing prior to market



Specifications

Max. Supply Pressure 64 psig
 Operating Temperature -20°F to + 200°F
 Materials: Stainless Steel with Nitrile and Delrin® seals
 Average Bleed Rate Approx. 6.6 scf per day

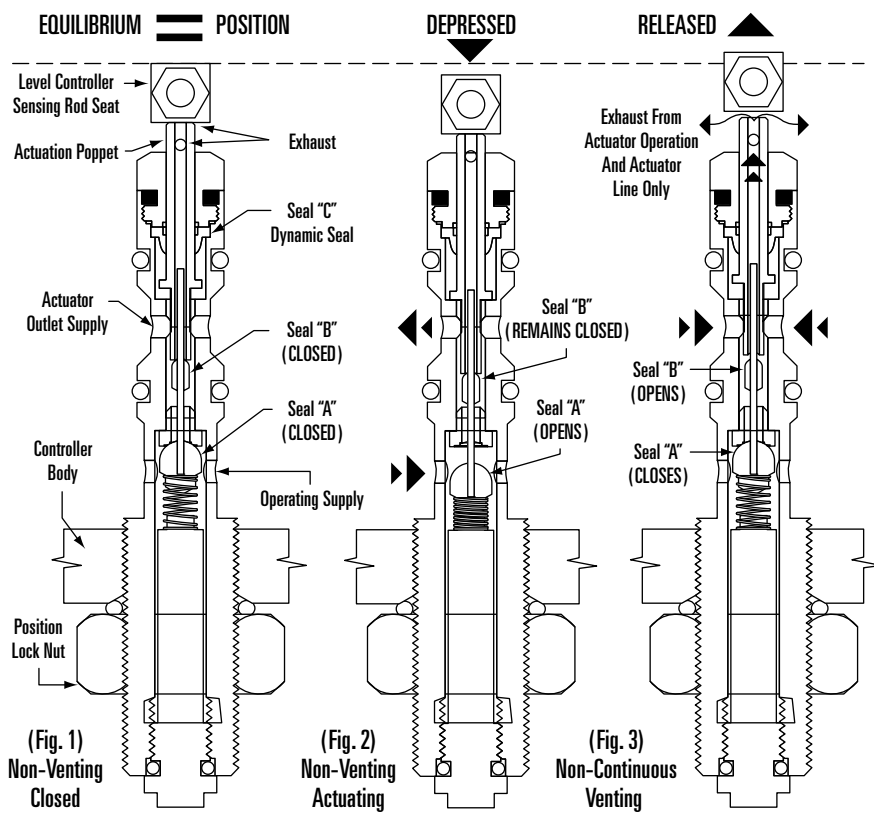
MISER No-Bleed Pilot Valve Liquid Level Controls & Pressure Controllers Potential Savings per Control (3 to 15 psig controllers*)

Based upon typical onshore facility* supply pressure of 20 psig and \$6.00 gas

Type Control	Manufacturer	Model	Supply Pressure psig	Bleed Rate Air SCFH	Bleed Rate Gas SCFH	Daily Bleed Rate SCFD	Yearly Bleed Rate SCFY	Annual Dollars LOST to Emissions
LIQUID LEVEL	CEMCO	6900	20	19.7	26	614	224,119	\$1,344.72

*Offshore facilities commonly use 6 to 30 psig controllers with average supply pressure of 35 psig. Bleed rates and dollars lost due to emissions would conservatively be 1.5 times those listed above.

Method of Operation



Equilibrium Position: (Non-Venting Closed)

When the MIZER[®] Pilot Valve is in "Steady State", both Seal "A" and Seal "B" are closed and the Control Flapper is in neutral position. (See Fig. 1)

Depressed Position: (Non-Venting Actuating) When the Control Flapper depresses the Actuation Poppet, Seal "A" is opened, supplying gas to the process valve. Seal "B" is closed, preventing gas from bleeding or venting through the vent port. The MIZER Pilot Valve is designed so that the gas flow is related to the position of the controller flap-per. (See Fig. 2)

Released Position: (Non-Continuous Venting) When the Control Flapper is released it closes Seal "A" and opens Seal "B" allowing gas to vent. Venting occurs ONLY when the control valve calls for it, and then, ONLY the gas in the process line and actuator is released. (See Fig. 3)

Conversion Kit Assembly Part Numbers

Type Control	Conversion Kit Model Number	Part Number	Converts
LIQUID LEVEL	0003-04510	0003-04500	CEMCO CANTILEVER CONTROL