

# Fisher® C1 Pneumatic Controller

Reduces energy use, increases profits



# C1 Pneumatic Controller

## Energy Use Down

The Fisher® C1 pneumatic controller from Emerson is an energy responsible choice for oil and gas operations. It dramatically decreases the amount of pressurized air or natural gas lost to the atmosphere with its low consumption. Containment of natural gas means less methane impacts the environment. A green label and green Bourdon tube symbolize the C1 pneumatic controller's energy, economic, and environmental benefits.

## Profits Up

Lost energy is lost revenue. By identifying and replacing a high-consumption device with the C1 pneumatic controller, you will see increased profits from additional gas sales. You can save 1 to 5 thousand cubic meters of methane per year—\$350 to \$1400 according to the U.S. Natural Gas STAR program.<sup>1</sup>

## With Reliable and Safer Operations

The C1 pneumatic controller continues the strong reputation of Fisher 4150 and 4160 Series pneumatic controllers for robustness and reliability to increase operating uptime. The C1 pneumatic controller succeeds these industry-recognized products.

Most importantly, the C1 pneumatic controller has a proportional band adjustment assembly to replace the three-way valve. It can reduce steady-state air/gas consumption to 1/10th that of previous products. This innovative assembly provides even more reliable control and increased safety.

The C1 pneumatic controller will compare sensed process pressure to an operator adjusted set point. Then it sends a pneumatic signal to the adjacent control element that maintains the set point value. Available models include proportional only, proportional-plus-reset, differential gap, and transmitter.

## For More Information

If you want to decrease energy use and increase profits, specify a Fisher C1 pneumatic controller from Emerson. Learn more by contacting an Emerson sales office.

## Mounting Versatility

Install the C1 on a panel, wall, or pipestand, as well as directly on the control valve actuator.



## Lever

Four fingers fit on the lever for easy opening of the pressurized device.

<sup>1</sup> Source: United States EPA Natural Gas STAR recommended technologies and practices (<http://www.epa.gov/gasstar/tools/recommended.html>). Methane savings based on 78.8% methane in upstream gas and 93% methane in downstream gas. Natural gas valued at \$0.25/cu m (\$7/Mcf).

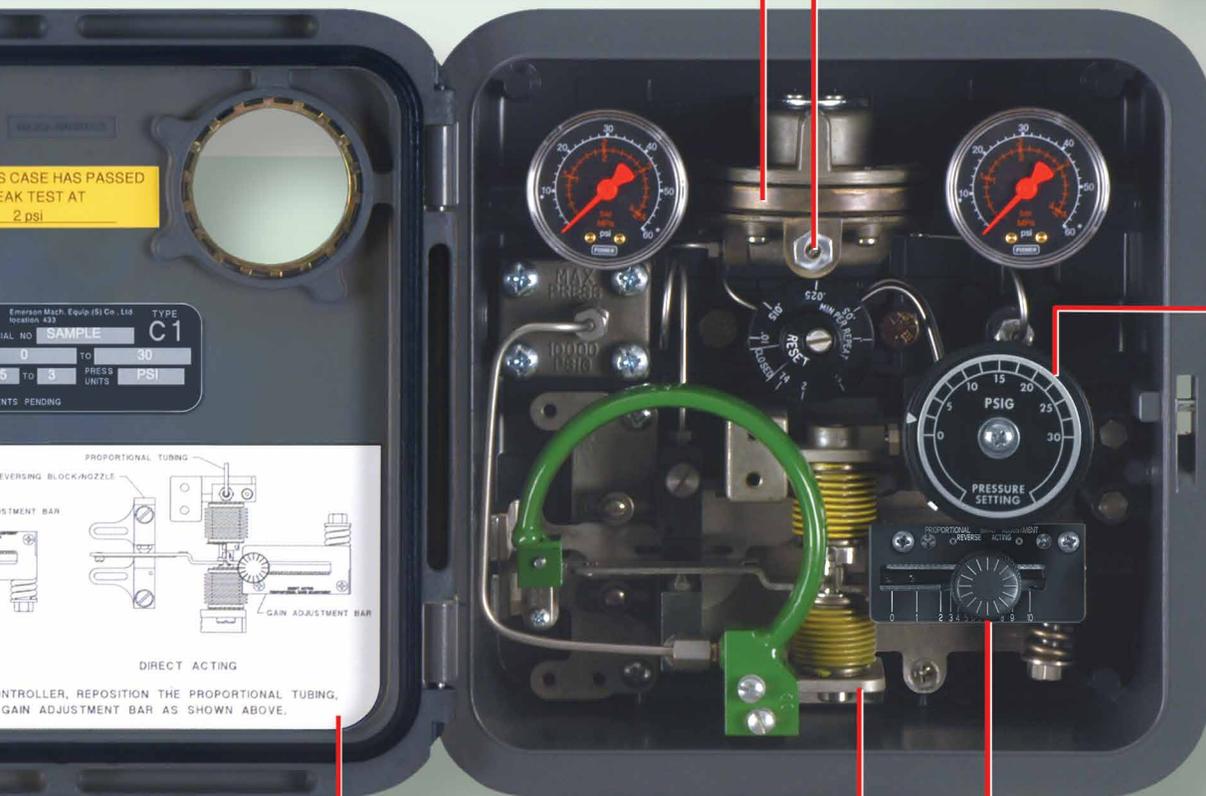
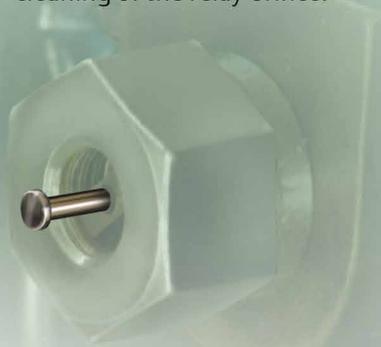


### High Output Capability

An integral pneumatic relay provides the high capacity necessary to drive valve actuators and other final control elements.

### Reduced Maintenance Costs

Spring-out wire for easy, in-service cleaning of the relay orifice.



### Accurate, Easy Adjustments

Make pressure set point changes with the dial-knob control, which helps to assure positive settings.

### Field Reversible

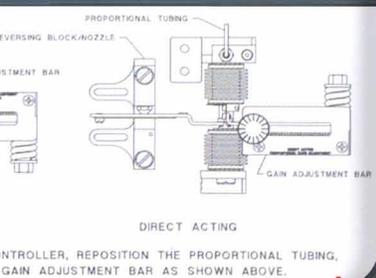
Switch from direct action to reverse or vice versa using instructions on the inside cover.

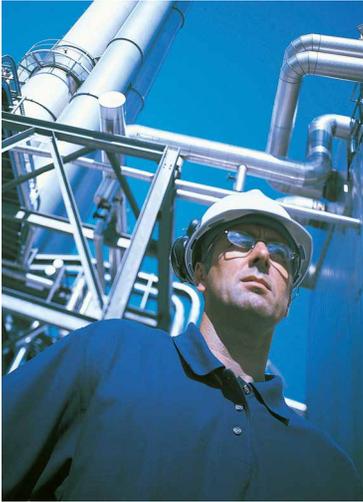
### Rugged and Reliable

Simple design paired with stainless steel bellows, tubing, and relay trim improve durability and reduce maintenance requirements.

### Easy Tuning Control

Grooved design on knob and indicator scale make proportional band adjustments precise and easy.





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