

# Balanced Tank Blanketing Regulator



## FISHER™ Type T205

### Introduction

The Type T205 is a direct-operated, internally balanced regulator. This balanced design allows for greater fluctuations in inlet pressure, as well as much greater flow capacity. Higher flow has become increasingly important as updated tank blanketing sizing guidelines\* often result in greater flow requirements.

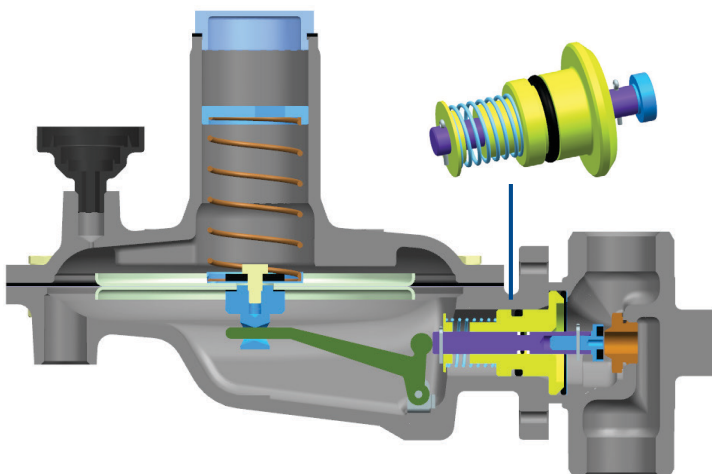
\* Such as API 6th Edition 2009 and ISO 28300 2008

### Application

The Type T205 regulator has been specifically designed for tank blanketing applications. In tank blanketing, a gas such as nitrogen is brought into the tank in order to inert the vapor space above the liquid. This application is characterized by low pressure. The Type T205 is able to maintain very low pressure setpoints and respond to very small changes in pressure.

The Type T205 features a patent-pending balanced trim design. This unique design allows the regulator to achieve much higher flow capacities than traditional designs. It is less susceptible to pressure fluctuations that can originate from the blanketing gas supply - thus delivering more accurate performance.

#### Patent-Pending Balanced Trim Design



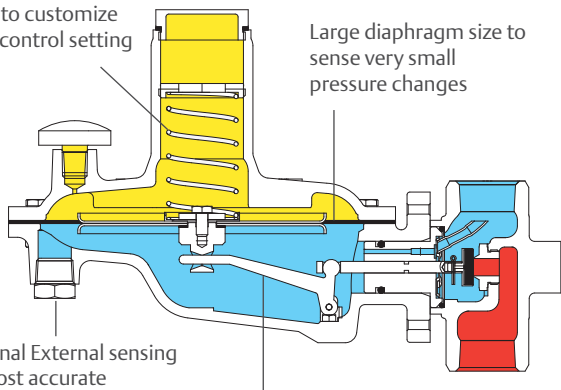
# Balanced Tank Blanketing Regulator

7 different springs available to customize pressure control setting

Large diaphragm size to sense very small pressure changes

Optional External sensing for most accurate pressure control

Lever design provides increased lockup force without extra cost and size



## TYPE T205

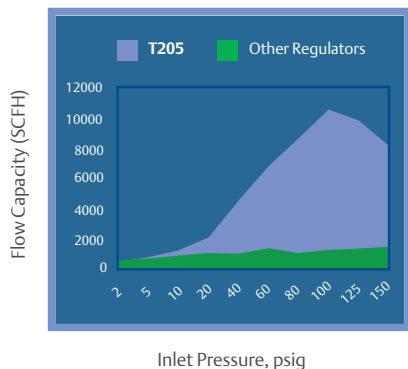
■ INLET PRESSURE  
■ OUTLET PRESSURE  
■ ATMOSPHERIC PRESSURE

A variety of trim materials are available, designed to withstand the toughest tank environments.

Durable casing and body, designed for many years of service. Available in 316L stainless steel for greater chemical resistance.

- Sizes: 3/4 and 1 in.
- Body and Casing Materials: Cast Iron, Steel, Stainless steel (316L)
- End Connections: NPT, CL150 RF, CL300 RF, PN 16/25/40
- Maximum Inlet Pressure: 200 psig
- Control Pressure Range: 1 in. w.c. to 7 psig
- Trim Materials: FEP, NBR, FKM, FFKM, EPDM

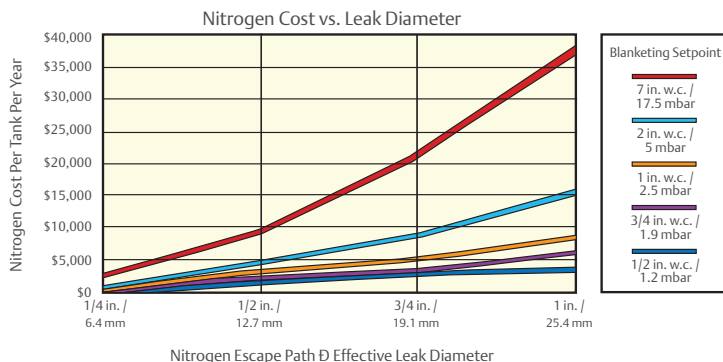
### Best in Class Flow Capacity



- Patent-pending design for superior flow and pressure management
- Specifically designed for pressure-sensitive tank blanketing applications
- Self-operated for quick response to tank pressure changes

\* Based on published data of leading competitors

By introducing the least amount of gas required into a tank, the volume of gas that escapes through poorly sealed vents and other paths is reduced. In this way, significant blanketing gas costs can be saved. In order to accomplish this, a regulator that can sense very low pressures, such as the Type T205, is required.



### Emerson Automation Solutions

#### Americas

T +1 800 558 5853  
T +1 972 548 3574

#### Europe

T +39 051 419 0611

#### Asia Pacific

T +65 6777 8211

#### Middle East / Africa

T +971 4811 8100

[webadmin.regulators@emerson.com](mailto:webadmin.regulators@emerson.com)

[Fisher.com](http://Fisher.com)

[Facebook.com/EmersonAutomationSolutions](https://Facebook.com/EmersonAutomationSolutions)

[LinkedIn.com/company/emerson-automation-solutions](https://LinkedIn.com/company/emerson-automation-solutions)

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The distinctive diamond shape cast into every spring case uniquely identifies the regulator as part of the Fisher™ brand and assures you of the highest-quality engineering, durability, performance and support.

