

Achieve Reliable Pressure Control with Fisher™ Type ACE95 Tank Blanketing Regulators



FISHER™ Proven technology for reliable pressure control

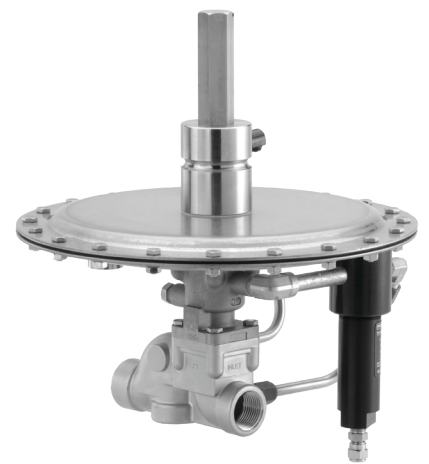
A Tank Blanketing Regulator that Serves the Customer's Needs

The Type ACE95 pilot controlled stainless steel regulator utilizes a single oversized diaphragm actuator that maximizes accuracy while offering a high sensitivity to changes in tank pressure. The exclusive rolling diaphragm provides a fully balanced pilot design that allows for a stable setpoint regardless of the inlet pressure. In addition, the pilot valve stroke is minimal which further ensures accuracy and speed of response. This enables the Type ACE95 to achieve the lowest set pressures regardless of the inlet supply. Blanketing pressure setpoint is easily controlled by a single adjusting screw.

Low-Setpoint Accuracy Means Nitrogen Savings

Plant utility managers, tank farm managers and those with storage vessel maintenance responsibility can easily reduce their gas blanketing expense by using low-setpoint technology.

Fisher low-setpoint tank blanketing regulators allow storage vessel operators to maintain set pressure of 0.25 in. w.c. / 0.6 mbar for blanketing gas. Such low blanketing pressures minimize blanketing gas losses by reducing the volume of gas being forced out through poorly sealed breather vents and incidental escape paths. The cumulative effect of using Emerson's low-setpoint technology can result in significant savings.



**Fisher Type ACE95
Tank Blanketing Regulator**



Reduce Your Gas Blanketing Expenses with Fisher™'s Low-setpoint Technology

| Effective Size of Escape Path* | | | | | |
|--------------------------------|--------------|------------------|-----------------|-----------------|---------------|
| | | 1/4 in. / 6.4 mm | 1/2 in. / 13 mm | 3/4 in. / 19 mm | 1 in. / 25 mm |
| Tank Pressure | 1/4 in. w.c. | \$0 | \$0 | \$0 | \$0 |
| | 1/2 in. w.c. | \$225 | \$899 | \$2023 | \$3596 |
| | 3/4 in. w.c. | \$397 | \$1589 | \$3575 | \$6356 |
| | 1 in. w.c. | \$543 | \$2171 | \$3575 | \$6356 |
| | 2 in. w.c. | \$992 | \$3969 | \$8931 | \$15,877 |
| | 7 in. w.c. | \$2330 | \$9319 | \$20,967 | \$37,275 |

*The effective size of the escape path is based on single or multiple escape paths that may include pinprick holes from a slightly corroded roof, poorly seated vents, etc.

Typical Annual Expenses Calculated

The table above demonstrates the typical incremental annual expense of nitrogen losses when setpoints above 0.25 in. w.c. / 0.6 mbar are used. The Universal Sizing Equation was used to compute the amount of gas lost. To estimate the expense of the annual gas loss, nitrogen was conservatively estimated at \$2.00/1000 SCF and validated with a major nitrogen supplier.

Available In-Line Diagnostics

The Type ACE95 features a diagnostic port that allows in-line analysis of the regulator's operation, providing quick and smarter solutions to potential problems.

Features:

- Stainless Steel Construction Available
- Flows up to 500,000 SCFH / 13,400 Nm³/h
- Fluorinated Ethylene Propylene (FEP) Diaphragm
- -5 in. w.c. to 1.5 psig Setpoints / -12 mbar to 0.10 bar
- Inlet Pressures up to 200 psig / 13.8 bar
- Available for Mounting on a Single Tank Nozzle
- Bubble Tight Shutoff
- Angled or In-Line Body Options
- Self Contained

Emerson Automation Solutions

Americas

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

✉ webadmin.regulators@emerson.com

🔍 Fisher.com

Europe

T +39 051 419 0611

📘 Facebook.com/EmersonAutomationSolutions

Asia Pacific

T +65 6777 8211

🌐 LinkedIn.com/company/emerson-automation-solutions

🐦 Twitter.com/emr_automation

Middle East / Africa

T +971 4811 8100