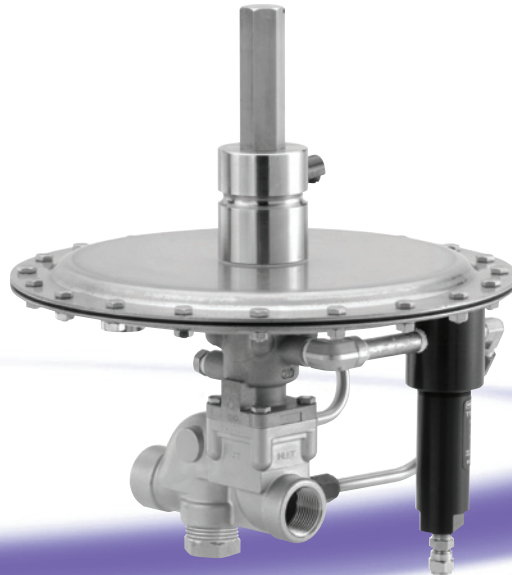


Type ACE95 Tank Blanketing Regulator

Achieve Low, Stable Setpoints Regardless of the Inlet Pressure.



**Available
with In-Line
or Angled
Flow**

Low-Setpoint Accuracy Means Nitrogen Savings!

High Accuracy – The Type ACE95 pilot controlled stainless steel regulator utilizes a single oversized diaphragm actuator that offers high sensitivity to changes in tank pressure, increasing accuracy. The pilot valve is fully balanced under all operating conditions, allowing for operation with varying inlet pressures. Blanketing pressure setpoint is easily controlled by a single adjusting screw.

Low Blanketing Pressures – The exclusive, rolling diaphragm balances the pilot and allows for a stable setpoint regardless of the inlet pressure. Pilot valve stroke is minimal, further ensuring accuracy and fast response, enabling the lowest pressures regardless of the inlet supply.

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
- Flows up to 500 000 SCFH (13 400 Nm³/h)
- High Sensitivity Provided by Oversized Actuator
- Polytetrafluoroethylene (PTFE) Diaphragm
- Fully Balanced Pilot Valve
- Characterized Trim
- Setpoints -5-inches w.c. to 5 psig (-12 mbar to 0,35 bar)
- Inlet Pressures to 200 psi (13,8 bar)
- Self-Contained
- Available for Mounting on a Single Tank Nozzle
- Diagnostic Port for In-Line Analysis



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Savings

Reduce Your Gas Blanketing Expense with Emerson Process Management Regulator Technologies' Low-setpoint Technology.

		Effective Size of the Escape Path*			
		1/4-inch (6,4 mm)	1/2-inch (13 mm)	3/4-inch (19 mm)	1-inch (25 mm)
Tank Pressure	1/4-inch w.c.	\$0	\$0	\$0	\$0
	1/2-inch w.c.	\$225	\$899	\$2,023	\$3,596
	3/4-inch w.c.	\$397	\$1,589	\$3,575	\$6,356
	1-inch w.c.	\$543	\$2,171	\$4,884	\$8,683
	2-inches w.c.	\$992	\$3,969	\$8,931	\$15,877
	7-inches w.c.	\$2,330	\$9,319	\$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.

Nitrogen Costs When Higher Setpoints are Used

Easily Reduce Blanketing Gas Losses.

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 a 0.25-inch w.c. (0,6 mbar) for blanketing gas. Such low blanketing pressures minimize blanketing gas losses by reducing the volume of gas being forced through poorly sealed breather vents and incidental escape paths. The cumulative effect of using Emerson Process Management Regulator Technologies' low-setpoint technology can result in significant savings.

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Easy to Install. Easy to Maintain.

Fisher tank blanketing and vapor recovery systems offer capabilities no other single regulator manufacturer can offer. The low-setpoint systems are easy to install, easy to maintain (if any maintenance is necessary) and are available in sizes with trim materials to match your storage vessel application.

Typical Annual Expenses Calculated.

The above table demonstrates the typical incremental annual expense of nitrogen lost when setpoints above 0.25-inch 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.

Our Global Product Brand:

