

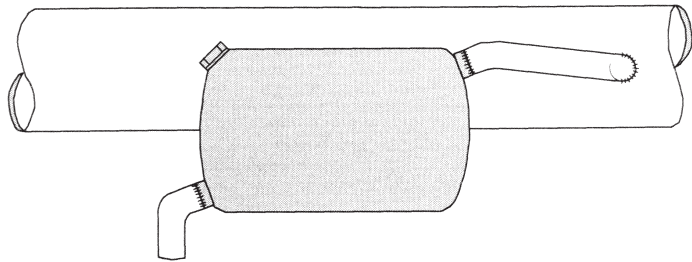
Accessories

Compensation chamber for

Type 41-23 (2412/2413) and Type 41-73 (2417/2413) Regulators
as well as

Type 2424, Type 2425, Type 2426, Type 2427 and Type 2429 Actuators

SAMSON



Mounting and Operating Instructions

EB 2595 EN

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1 Application

A compensation chamber is installed in the control line together with the listed regulators and actuators. The liquid filled in the chamber (water for steam control) acts as a buffer for process medium temperatures above 150 °C and for steam. It prevents any hot process medium coming into direct contact with the actuator diaphragm and damaging it.

2 Installation

Install the compensation chamber at the highest point of the control line. Make sure that the control line between the diaphragm chamber and compensation chamber as well as between the pipeline and the compensation chamber inclines downwards at a ratio of at least 1:10.

Connect the control line at the side of the pipeline transporting the process medium or the manifold.

The mounting position of the chamber is indicated on the chamber by an adhesive label with an arrow as well as by the word **oben (top)** impressed on the chamber. It is imperative that the mounting position of the chamber is observed to guarantee the safe functioning of the regulator.

Weld the control line coming from the pressure tapping point to the R $\frac{3}{8}$ socket of the chamber.

3 Operation

Proceed as follows:

- Unscrew the filler plug on the chamber and undo the vent screw on the diaphragm actuator.
- For applications with steam: use the supplied plastic funnel or a watering can to fill the chamber with water until it overflows at the vent hole on the actuator.

For applications with other **liquids**, fill the compensation chamber with the process medium.

- Screw the filler plug back on the chamber and tighten.



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