

Accessories

Intermediate Tank for

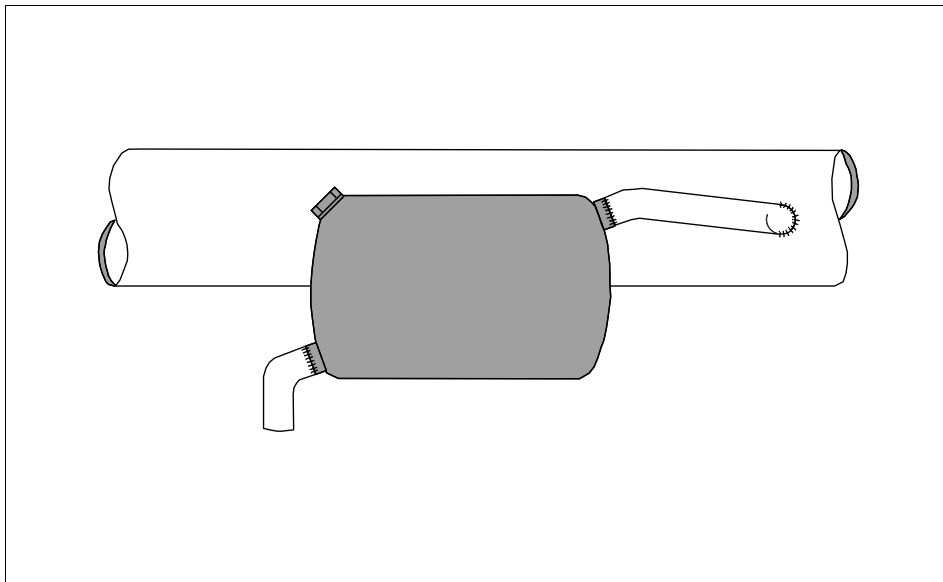
Controllers

Type 39-2 (2392), Type 41-23 (2412/2413) and

Type 41-73 (2417/2413)

and Actuators

Types 2415, 2418, 2424, 2425, 2426, 2427 and 2429

The SAMSON logo is a black circle with the word "SAMSON" in white, bold, uppercase letters.

1. Application

To ensure proper functioning of the controller versions listed above, an intermediate tank is to be installed in each associated control line. This tank is intended to protect the operating diaphragm of the connected actuator when steam and liquids above 150 °C are controlled.

2. Installation

The control line is to be installed laterally at the pipe in the middle of the pipeline or distributor. This line is to be installed with a steady upward slope (1:10) towards the intermediate tank.

The mounting position of the tank is indicated by a label marked with an arrow and the word "**top**" impressed on top of the tank. This mounting position is coercive to ensure safe operation of the controller.

Weld the control line coming from the tapping point to the R 3/8 pipe socket of the intermediate tank.

The intermediate tank must always be installed at the highest point of the control line. This means, the control line connecting the intermediate tank and the diaphragm chamber of the actuator is to be also installed with a downward slope.

3. Operation

To place the intermediate tank into service, remove the filler plug at the tank and the vent screw at the diaphragm actuator.

Then, use the enclosed plastics funnel tube or a can having a bent spout to fill water (in case of steam control) through the associated filler socket into the intermediate tank. Fill up water until it escapes at the vent hole.

Tighten vent screw at the actuator and fill up water until it spills over at the filler socket of the tank.

Reinstall filler plug and screw it tight.

If liquids are controlled, fill up the intermediate tank with the corresponding medium.



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