

CONTROL VALVE POSITIONERS

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Summary

The constructional and operational features of pneumatic and electropneumatic positioners for valve actuators are described and guidelines for their selection are outlined.

1. Introduction

Positioners are provided as accessories to control valve actuators to ensure their proper

operation. In their absence it is essential to operate the actuator in accordance with a different powering arrangement by the controller.

Positioners can be classified into pneumatic, electropneumatic or electronic type and, in each case, they are intended to perform the following functions:

- To receive the signal coming from the controller;
- To compare this signal with the valve stem position (feedback);
- To drive the stem displacement by acting on the actuator until the correct stem position is reached.

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