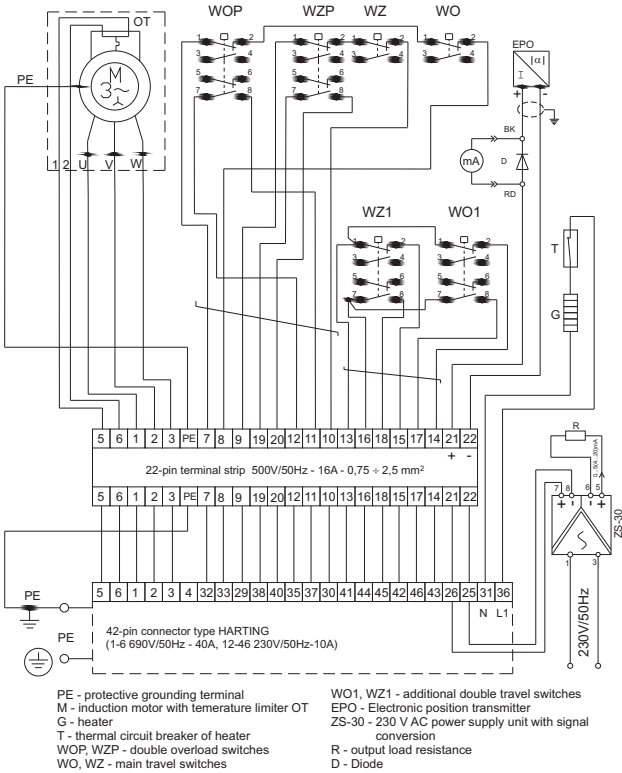
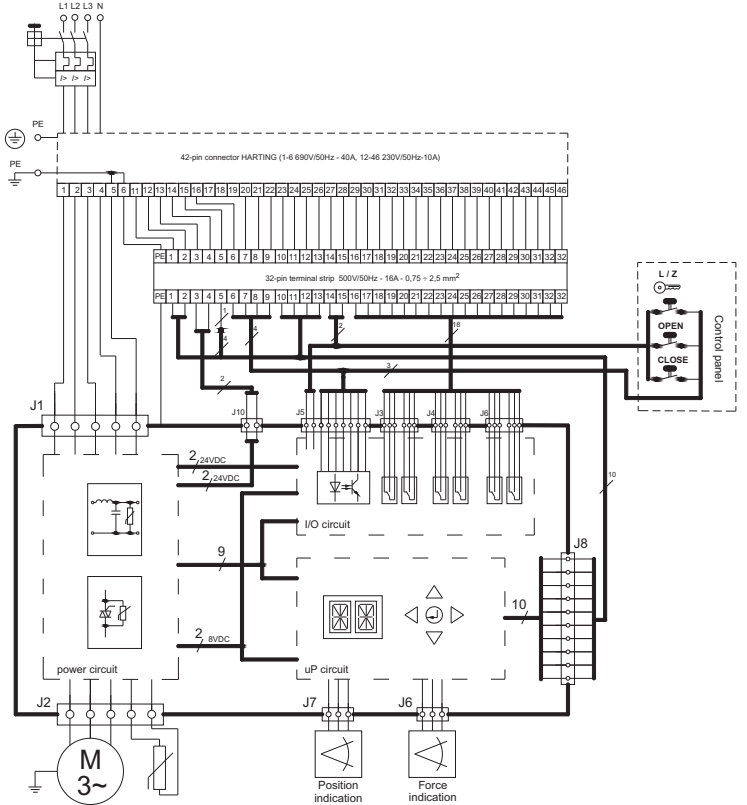


Electric circuit diagram of actuator ESO-07 with position transmitter and power supply unit



Electric circuit diagram of actuator ESO-07 with Controller ESA-01



Flow control system: gate valve + actuator

Application

Flow control systems are designed for changing the flow rate of a medium, keeping the required flow characteristics.

Design

The basic components of the flow control system are the gate valves used in order to change the resistance for a flowing medium and actuators designed for supply of mechanical energy necessary for its shifting.

Selection of gate valve

Designing of the flow control system should be begun from selecting the gate valve. In order to correctly choose a gate valve, one should determine the following parameters:

Parameters of gate valve selection
Pipeline diameter
Working pressure
Length of built-in section
Type of connector

Technical parameters of gate valves	
Rated diameters	DN 40...300
Rated pressures	PN 10...16
Flow connectors	BS 5163
Temperature of the medium	TN maximum 70°C
Flange type	Wg EN 1092-2

After a gate valve is selected, depending on necessary torque and number of rotations, one chooses the actuator. The equipment and mechanical plus electric connectors can be a subject of separate agreements.

Ordering

The gate valve and actuator are to be ordered separately. The actuator is to be specified according to the Ordering Table. The gate valve can assigned by the customer, or chosen on the basis of determined parameters.

When ordering the gate valve and actuator, we make the actuator connections and settings, which guarantees a correct and reliable operation of the system.

