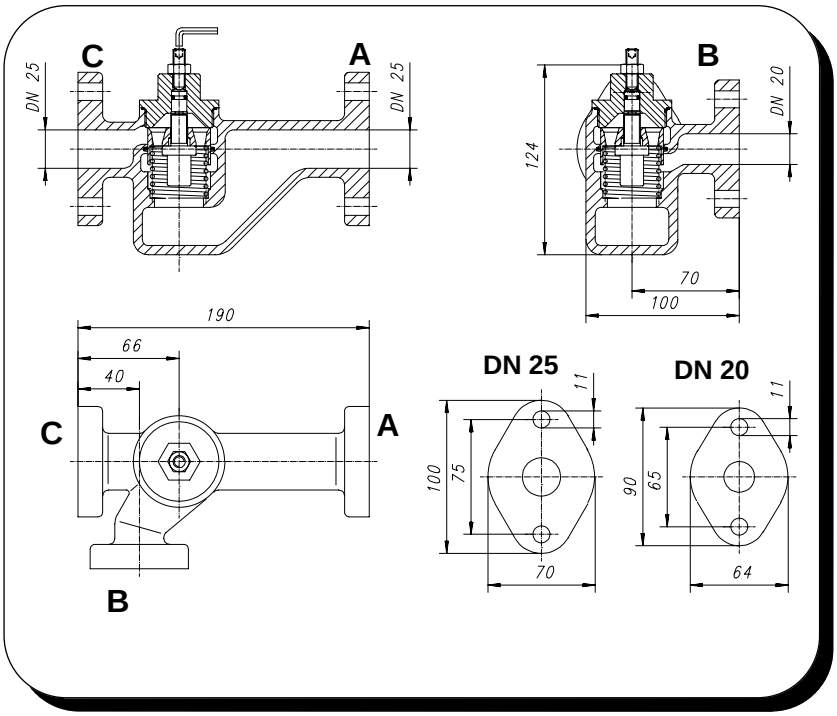
AKO Temperature Regulator selfactuated

BT226.0921-025

AKO Three-Way Temperature Regulator
Type Series 226.0921 with manual override
deliverable sizes: 20/25 mm



Technical Data

Material:	
- Body	cast bronze G-CuSn5ZnPb
- Inner Parts	SS/Ms
Thermostat	237.5100-xxx
Operation Temperature	bis 120 °C
Operation Pressureup to 6 bar	
adm. Differential Pressure	up to 6 bar
Nominal Pressure	PN 6
Connection	acc. TGL 25143
Manual override	

Installation:
The installation can be done selectively as follows:

as divider		**as mixing valve**
path A:	from motor	**path C:** from cooler
path B:	to bypass	**path B**: from bypass
path C:	to cooler	**path A:** to motor

The pathes have been marked on the connections.
The temperature regulator may be installed in all positions.

deliverable temperature ranges:

04 - 11 °C	39 - 49 °C	60 - 71 °C	93 - 101 °C
22 - 30 °C	43 - 54 °C	68 - 77 °C	97 - 107 °C
29 - 40 °C	49 - 60 °C	76 - 88 °C	101 - 121 °C
35 - 46 °C	54 - 65 °C	82 - 93 °C	

AKO Temperature Regulators are suitable for the stabilization of Temperatures of media (e. g. water, oils, etc.) and are even applicable as dividing units or mixing valves. Depending on their construction they are distinguished by their low need of maintenance, particular operating convenience and resistance to pressure. A replacement of innerparts is possible on the spot without having to remove the regulating valve from the piping. A faulty assembly can be excluded. The temperature regulators could be assembled in each fitting position.

AKO Temperature Regulators are being equiped with easily replaceable internal wax-filled thermostats that absorb the temperaure of the medium surrounding them at the measurement point namely into expansion and thus a change in path or length (the valve stroke). AKO Temperature Regulators do not require any auxiliary energy. At rising temperature and on excess of the opening temperature, the tube slide is being lifted off of the valve seat and opening path A to C, with the path A to B locking simultaneously in the same ratio. The change is being performed in proportion to the change of temperature of the passing medium.

Manual Override: In order to meet the security demands of the classification societies for greater safety, the manual override was installed. It is not intended for setting the temperature when the regulating valve runs automatically. The manual resetting facility makes it possible to use the control valve as a manual change-over valve. The taper can be brought into any desired position by means of an adjusting screw, so that any operating temperature can be set by observing the thermometer.

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