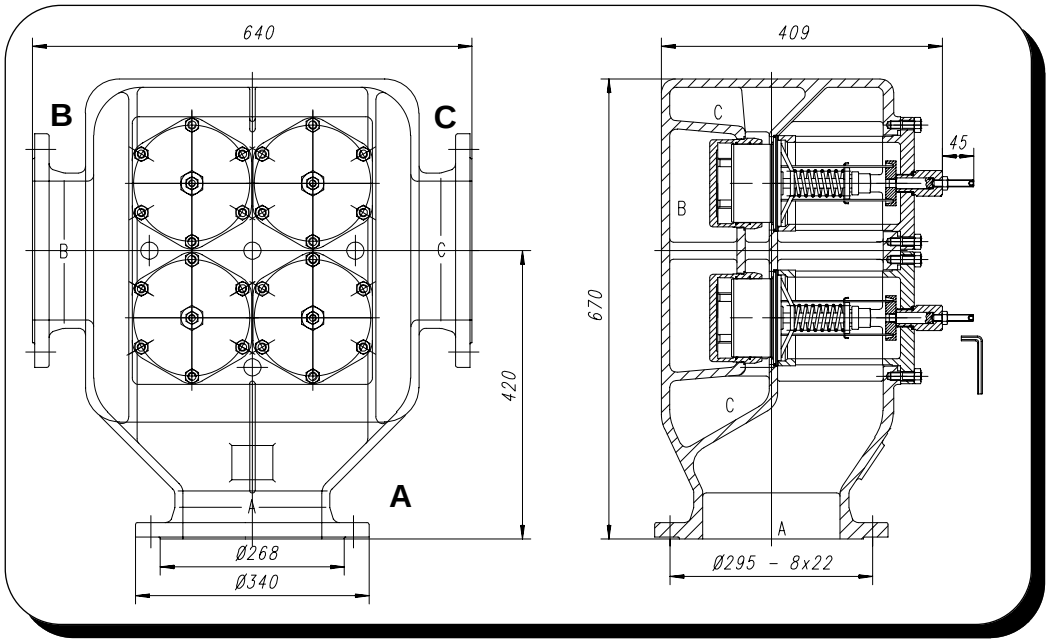
AKO Temperature Regulator selfactuated

BT 226G0121-200

AKO Three-Way Temperature Regulator
Type Series 226G0121 with manual override
deliverable size: 200 mm



Technical Data

material:

- body	spheroidal graphite (GGG 40)	thermostat	237.1121-xxx
- innerparts	ss/brass	nominal pressure	PN 10
operation temperature	up to 120 °C	connection	flange DIN 2532 E
operation pressure	up to 10 bar	manual override	
adm. differential pressure	up to 10 bar		

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 °C

	025 - 037	038 - 049	051 - 062	068 - 078	079 - 093
010 - 020	027 - 037	040 - 052	057 - 068	071 - 081	085 - 095
015 - 027	031 - 044	043 - 057	063 - 076	074 - 084	099 - 112
020 - 032	035 - 047	045 - 049	065 - 077	077 - 087	105 - 122

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.

AKO Regelungstechnik GmbH & Co KG
Porschestraße 16 ◆ D-51381 Leverkusen ◆Tel.: +49 (0) 2171 / 3944-0 ◆ Fax: +49 (0) 2171 / 3944-29
eMail: info@akomail.de ◆ Web: http://www.ako-regelungstechnik.de

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