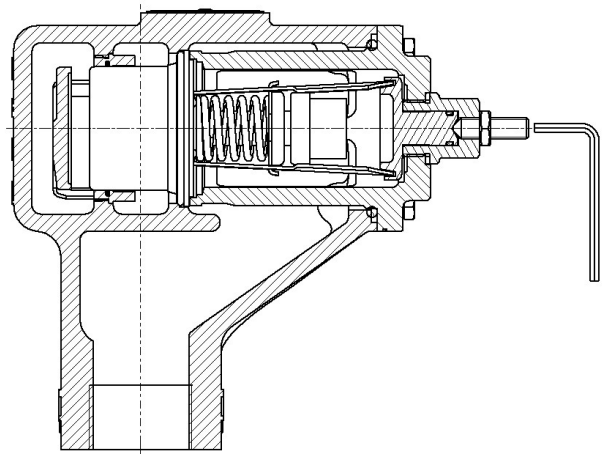
AKO Temperature Regulator selfactuated

BT 226.0621-GB

AKO 3-Way Temperature Regulator
Type Series 226.0621 with manual override
Deliverable size: G 1“, 1 ¼“, 1 ½“ & 2“ female



Technical Data:

Material:	
- Valve Body	EN-GJL-250
- Inner parts	SS / Brass
Thermostat	237.0120-xxx-0
Sealing Kit	NBR
Operation pressure	up to 16 bar
Adm. diff. pressure	up to 16 bar
Nominal pressure	PN 16
Connection	thread “G” female
Connection variation "N"	NPT female

Manual override for the mechanical opening of the cooling path in case of any failure of the thermostat.
The emergency adjustment is not to be used to adjust the set point when the thermostat is working properly!

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

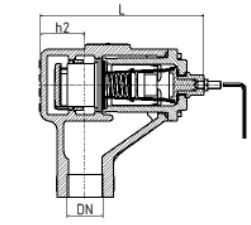
The pathes have been marked on the connections.
The temperature regulator may be installed in all positions.

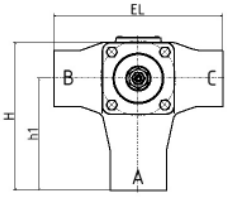
Deliverable temperature ranges:				
05 – 15 °C	35 – 43 °C	57 – 66 °C	74 – 82 °C	93 -103 °C*
14 – 26 °C	37 – 47 °C	60 – 69 °C	77 – 85 °C	102-113°C*
20 – 30 °C	39 – 50 °C	62 – 71 °C	79 – 88 °C	
27 – 37 °C	43 – 54 °C	66 – 74 °C	82 – 93 °C	
29 – 40 °C	51 – 60 °C	68 – 78 °C	85 – 96 °C*	
32 – 41 °C	54 – 63 °C	71 – 79 °C	88 – 99 °C*	

Max. continuous temperature 15 °C above fully open temperature.
*maximal operating temperature 120°C

Application
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 inner parts 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.

Function
AKO Temperature Regulators are being equipped with easily replaceable internal wax-filled thermostats that absorb the temperature 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.





order - no.	DN	EL [mm]	H [mm]	h1 [mm]	h2 [mm]	L	weight [kg]	Kvs [m³/h]
226.0621-100	G 1“	180	148	100	60	195	8,9	11,0
226.0621-N100	1“ NPT	180	148	100	60	195	8,9	11,0
226.0621-125	G 1 ¼“	180	148	100	60	195	8,7	15,0
226.0621-N125	1 ¼“ NPT	180	148	100	60	195	8,7	15,0
226.0621-150	G 1 ½ “	225	198	150	60	195	11,2	24,0
226.0621-N150	1 ½“ NPT	225	198	150	60	195	11,2	24,0
226.0621-200	G 2“	225	198	150	60	195	10,2	38,0
226.0621-N200	2“ NPT	225	198	150	60	195	10,2	38,0

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