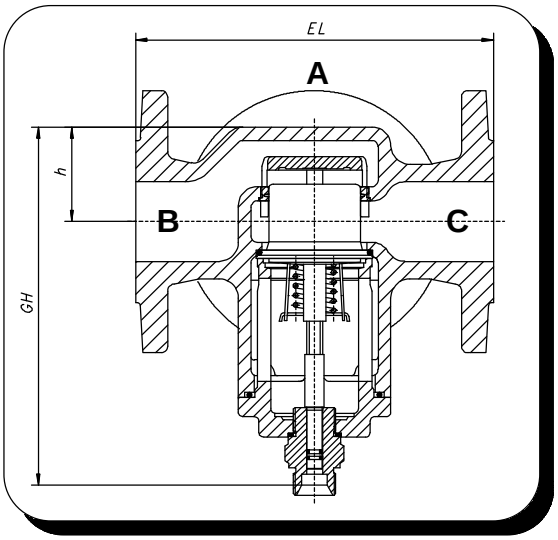
AKO Temperature Regulator selfactuated

BT 226.0124-000

AKO Three-Way Temperature Regulator

Type Series 226.0124
deliverable size: 40, 50 mm



Technical Data:

material:	
- valve body	cast iron GG 25
- inner parts	ss/brass
working temperature	up to 120 °C
working pressure	up to 16 bar
adm. differential pressure	up to 16 bar
nominal pressure	PN 16
connection	flange DIN 2533 E
heat sensor	230.0300A000 (standard) made of brass
capillary tube	2 m normal (max. 10 m)
connection	R 1 "
adjusting range	30 - 100 °C

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.

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 contruction 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 regulator could be assembled in each fitting position.

AKO Temperature Regulators are being equiped with an external heat sensor, 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 of path is being performed in proportion to the change of temperature of the passing medium.

order-no.	DN	D	g	b	h	T	EL	K	L	KVs	valve-stroke	heat-sensor	K_R	weight kg
226.0124-040	40	150	88	18	102	180	178	110	4x18	24,6	9	230.0300A000	0,20	16,0
226.0124-050	50	165	102	20	150	175	225	125	4x18	38,8	9	230.0300A000	0,20	20,0

In this list you will find the standard combination of valve and heat sensor. A combination of each other offered heat sensor with each valve is possible, however (see data sheet I 230.xxx).

The indicated K_R-value indicates the stroke of the heat sensor at a temperature difference of 1 °K**.**