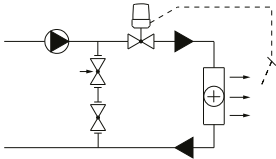
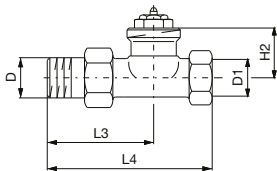


COR – control valves

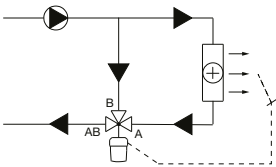
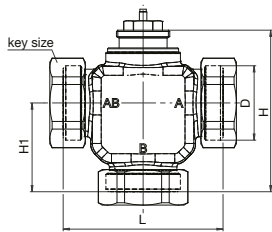
AV 6, A – two-way valve



Type	DN	D ["]	D1 ["]	L3 [mm]	L4 [mm]	H2 [mm]
AV 6	20	3/4	3/4	63	106	29.0
AV 6	25	1	1	80	125	30.0
A	32	1 1/4	1 1/4	90	150	33.5

if a two-way valve is used, a short-circuit (bypass) must be considered with a balancing valve, which is taken into account in the calculation of the hydraulics of the entire supply branch of the heating system

Tri-CTR – three-way valve

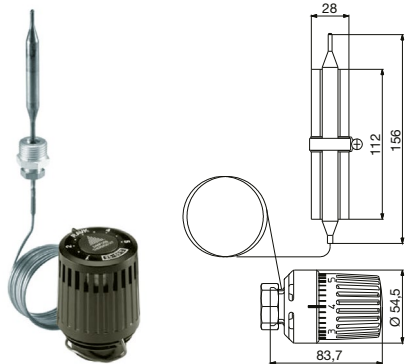


DN	D ["]	L [mm]	H [mm]	H1 [mm]	size keys
20	3/4	80	88	47	37
25	1	90	91	50	46
32	1 1/4	110	96	55	52

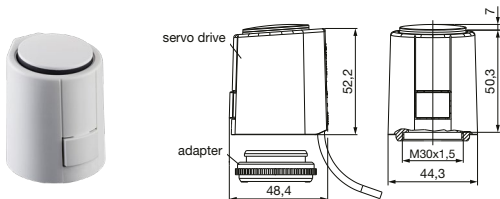
connection of the three-way valve to the reverse

4

TR-K2 2050 – thermostatic head



Aktor T 2P – electrothermal valve actuator



COR – control valves

Technical parameters

■ Regulation

Separately suspended COR blinds with water the heater can be regulated using a thermostatic head with a capillary 2 m long. It can be used in combination with a two- or three-way valve. The head includes a fuse

against exceeding the temperature of 30 K above the set value. The range of regulation can be limited or blocked. Threaded connection of the head M 30 x 1.5. The three-way valve is connected to the return line of the heater according to of the given

image. The probe of the temperature sensor is placed in the stream of outgoing air. The two-way valve is connected to the heating water supply according to the diagram. The air temperature can be set in the range of 20 to 50 °C, see table.

Type	water connection	t _{max} [°C]	thermostat. header*	temperature control range [°C]	capillary length [m]	thermostatic valve			
						k _{vs} **	three way	k _{vs} **	
COR-1000 NW 9	DN 15 / 1/2"	120	TR-K2 2050	20–50	2	AV6 DN15	0.9	Tri-CTR DN15	2.5
COR-1500 NW 15	DN 15 / 1/2"	120	TR-K2 2050	20–50	2	AV6 DN15	0.9	Tri-CTR DN15	2.5
COR-2000 NW 24	DN 15 / 1/2"	120	TR-K2 2050	20–50	2	AV6 DN15	0.9	Tri-CTR DN15	2.5
COR-1000 FTW 10	DN 15 / 1/2"	120	TR-K2 2050	20–50	2	AV6 DN15	0.9	Tri-CTR DN15	2.5
COR-1500 FTW 17	DN 15 / 1/2"	120	TR-K2 2050	20–50	2	AV6 DN15	0.9	Tri-CTR DN15	2.5
COR-IND M 1000 W27	DN 20 / 3/4"	120	TR-K2 2050	20–50	2	AV6 DN20	0.9	Tri-CTR DN20	4.4
COR-IND M 1500 W35	DN 20 / 3/4"	120	TR-K2 2050	20–50	2	AV6 DN20	0.9	Tri-CTR DN20	4.4
COR-IND 1000 W33	DN 20 / 3/4"	120	TR-K2 2050	20–50	2	AV6 DN20	0.9	Tri-CTR DN20	4.4
COR-IND 1500 W50	DN 20 / 3/4"	120	TR-K2 2050	20–50	2	AV6 DN20	0.9	Tri-CTR DN20	4.4

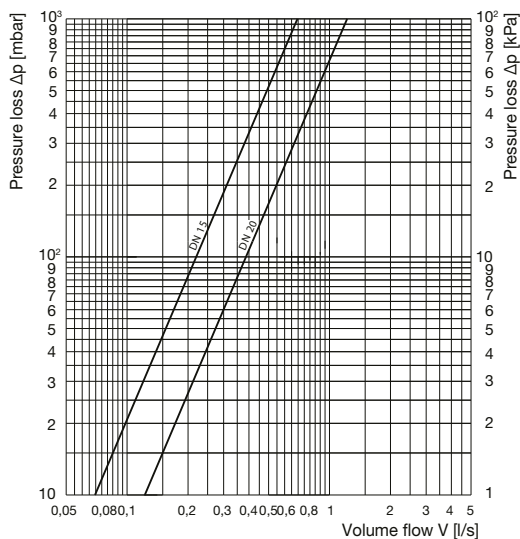
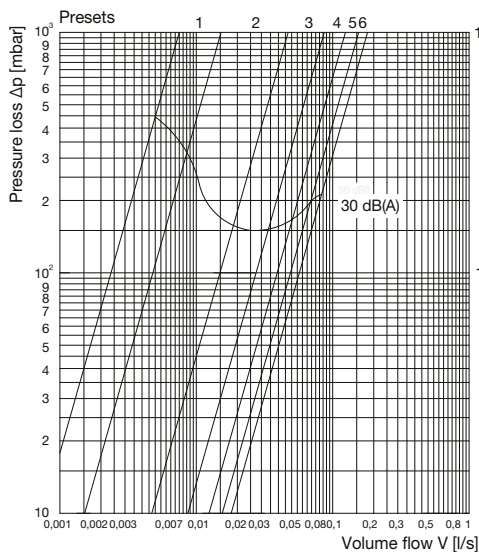
* on request, it is possible to supply a thermostatic head with capillary TR-K2 4070 with a setting range of 40–70 °C

** the k_{vs} value indicates the flow through the valve in m³/h at full opening and a pressure drop across the valve of 100 kPa

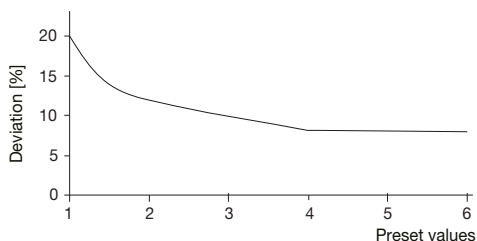
two-way valve AV6

three-way valve Tri-CTR

2 K deviation P



Flow tolerance depending on presetting according to DIN EN 215 at 2 K deviation P



Performance data

Presets	1	2	3	4	5	6
k _v value at 1 K deviation P	0.055	0.141	0.221	0.247	0.280	0.320
k _v value at 1.5 K deviation P	0.055	0.170	0.296	0.370	0.420	0.490
k _v value at 2 K deviation P	0.055	0.170	0.313	0.446	0.560	0.650