









# Summary · Valves mounted on controllers with electric actuators

- Typical rangeability 1 : 50 (not possible with all valves)
- Leakage class acc. to DIN EN 1349 · Metal sealing: Leakage class IV · Soft sealing: Leakage class VI

Scope of application				
DHW heating in instantaneous system Fixed set point control loops in mechanical engineering applications	Type 3213/5724* Type 3213/5725* Type 3213/5757**	Type 3214/5724 Type 3214/5725	Type 3222/5724* Type 3222/5725* Type 3222/5757**	
Heating applications	-	-	Type 3222/5757-7	
Nominal size	*: DN 15 to 50 **: DN 15 to 25	DN 15 to 50	*: DN 15 to 50 **: DN 15 to 25	
Nominal pressure	DN 25 and smaller: PN 25 DN 32 and larger: PN 16	PN 16 to 40	PN 25	
Maximum permissible temperature	220 °C	220 °C	200 °C	
Version				
Without safety function	Type 3213/5724 Type 3213/5757	Type 3214/5724	Type 3222/5724 Type 3222/5757 Type 3222/5757-7	
With safety function	Type 3213/5725 	Type 3214/5725 	Type 3222/5725 	
Refer to Data Sheet for more details	T 5768 EN and T 5769 EN	T 5768 EN and T 5769 EN	T 5766 EN	
	 Type 3213/5724 Type 3213/5725   Type 3213/5757	 Type 3214/5724 Type 3214/5725 Steam version with intermediate piece	 Type 3222/5724 Type 3222/5725   Type 3222/5757 Type 3222/5757-7	

## Principle of operation

The control valves consist of either a globe or three-way valve mounted on a controller with electric actuator. The electric actuator has an integrated digital controller. The control variable is recorded by a directly connected Pt 1000 sensor. The output signal of the digital controller acts on the actuator which positions the actuator stem.

## Register number



The Type 5725 Actuators with safety function in conjunction with the listed valves in the force-locking version are typetested according to DIN EN 14597 by the German Technical Inspectorate TÜV. The register number is available on request.










## Accessories for domestic hot water heating

(combinations including Type 5724/5725 and Type 5757 Controller with Electric Actuator)

A fast-responding Type 5207-0060 Temperature Sensor is required to operate the control valves. The use of a sensor pocket is recommended to position the sensor optimally at the heat exchanger.

To further improve the control accuracy, a water flowmeter or a flow switch can be connected to the controller with electric actuator.

- Type 5207-0060 Pt 1000 Contact Sensor
- Sensor pocket, order no. 1400-9249
- Flow rate sensor including extension cable with mating connector, order no. 1400-9246

	Type 3222 N/5757	Type 3260/5724* Type 3260/5725* Type 3260/5757**	Type 3226/5724* Type 3226/5725* Type 3226/5757**	Type 3267/5724* Type 3267/5725* Type 3267/5757**	Type 2488/5724* Type 2488/5725* Type 2488/5757**
	Type 3222 N/5757-7	Type 3260 <sup>1)</sup> /5757-7**	Type 3226 <sup>1)</sup> /5757**	Type 3267/5757-7**	Type 2488/5757-7**
	DN 15	*: DN 15 to 50 **: DN 15 to 25	*: DN 15 to 50 **: DN 15 to 25	*: DN 15 to 50 **: DN 15 to 25	*: DN 15 to 50 **: DN 15 to 25
	PN 16	PN 16	PN 25	PN 25	PN 16/25
	120 °C	150 °C	150 °C	150 °C	150 °C
	Type 3222 N/5757 Type 3222 N/5757-7	Type 3260/5724 Type 3260/5757 Type 3260/5757-7	Type 3226/5724 Type 3226/5757 Type 3226/5757-7	Type 3267/5724 Type 3267/5757 Type 3267/5757-7	Type 2488/5724 Type 2488/5757 Type 2488/5757-7
	-	Type 3260/5725	Type 3226/5725	Type 3267/5725	Type 2488/5725 
	T 5767 EN	T 5761 EN	T 5763 EN	T 5794 EN	T 3135 EN
	 Type 3222 N/5757 Type 3222 N/5757-7	 Type 3260/5724 Type 3260/5725   Type 3260/5757 Type 3260/5757-7	 Type 3226/5724 Type 3226/5725   Type 3226/5757 Type 3226/5757-7	 Type 3267/5724 Type 3267/5725	 Type 2488/5724 Type 2488/5725   Type 2488/5757 Type 2488/5757-7  1) Special version

### Accessories for heating applications

(combinations including Type 5757-7 Controller with Electric Actuator)

A Pt 1000 sensor to measure the flow temperature is required for the control valve to function. Depending on the control task, an outdoor sensor (outdoor temperature compensated control) or a room sensor or room panel (fixed set point control with room temperature influence) can be connected. As a rule, the combination with a return flow sensor is possible.

- Type 5267-2 Pt 1000 Contact Sensor
- Type 5257-2 Pt 1000 Room Sensor with potentiometer
- Type 5257-7 Room Panel with potentiometer and mode selector switch
- Type 5227-2 Pt 1000 Outdoor Sensor

### Communication

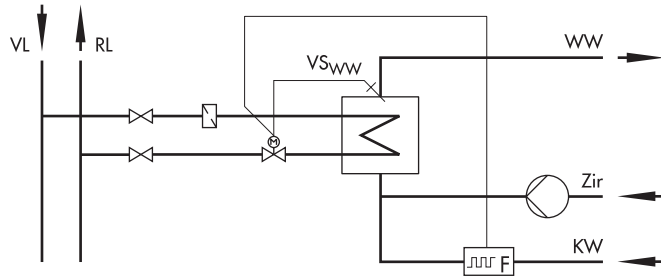
The control valve and the configuration and operator interface can be connected directly (online connection over data cable) or indirectly (data transmission using a memory pen). In online mode, the control valve performance can also be monitored from the control station. The control valve settings can be changed at anytime. Refer to the Data Sheets T 5724 EN, T 5757 EN and T 5757-7 EN for more details on the controllers with electric actuators.

- TROVIS-VIEW 6661 configuration software for Type 5724/5725, Type 5757 or Type 5757-7 Controller with Electric Actuator
- Hardware package including a memory pen, connecting cable and modular adapter, order no. 1400-7704
- Memory pen, order no. 1400-7697



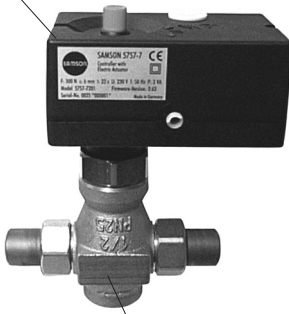
Type 5757

Type 3222

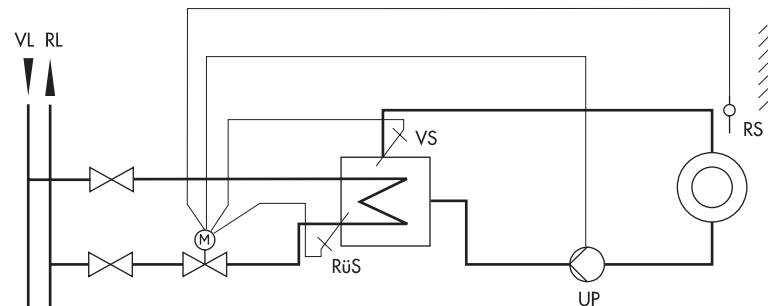
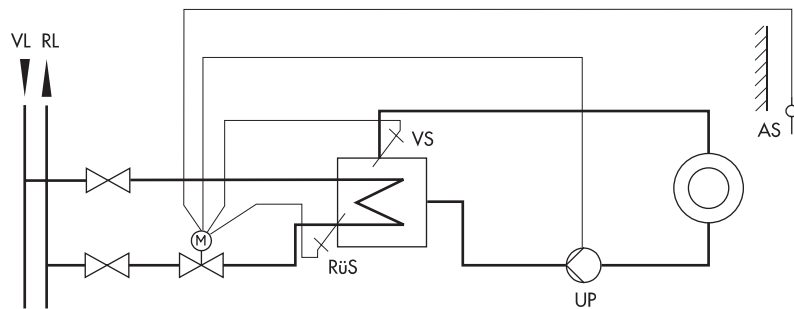


Typical application with Type 3222/5757 Control Valve for domestic hot water heating in instantaneous system

Type 5757-7



Type 3222



Typical application with Type 3222/5757-7 Control Valve for heating applications

Top: Outdoor temperature compensated flow temperature control with return flow temperature limitation

Bottom: Fixed set point control with room temperature influence and with return flow temperature limitation

AS	Outdoor sensor	VS	Flow sensor	UP	Circulation pump	RL	District heating network return flow
RS	Room sensor	VS <sub>WW</sub>	Flow sensor DHW	Zir	Circulation pump	KW	Cold water
RüS	Return flow sensor					VL	District heating network supply
						WW	Hot water

