





Control Valves for Heating, Ventilation and Air-conditioning Systems

- Typical rangeability 1:50 (not possible with all valves)
- Leakage rate as per DIN EN 1349 · Metal sealing: Leakage rate class IV; Soft sealing: Leakage rate class VI

Selection criteria · Sheet 1

Control valves for ...

The SAMSON program includes the following control valves

Processing plants	•	•	
Industrial energy transfer systems	•	•	
Heat transfer oil		•	
Heating, ventilation and air-conditioning	•		
District heating	•		
	Size up to DN 50 (3323) DN 100 (3321)	Nominal size up to DN 80	
	PN 10 to PN 40	PN 16 to PN 25	
	-10 to +300 °C	-10 to +350 °C*	
	Free of non-ferrous metal	Free of non-ferrous metal	
		* Extended temperature range down to -70 °C on request	
	 V2001-E3/3321-E3 Refer to T 8111 EN	 V2001-P/3531-P Heat Transfer Oil Refer to T 8131 EN	
	 V2001-IP/3323-IP Refer to T 8113 EN	 V2001-E1/3535-E1 Heat Transfer Oil Refer to T 8135 EN	

Note:

Refer to Information Sheet T 5700 EN for valves mounted on controllers with electric actuators for domestic hot water in instantaneous heating systems and heating applications.

	•			
	•	•	•	
	•			
	•	•	•	•
	•	•	•	•
	Nominal size up to DN 150	Nominal size up to DN 50	Nominal size up to DN 250	Nominal size up to DN 250
	PN 16 to PN 40	PN 25	PN 16 to PN 40	PN 16 to PN 40
	-196 to +450 °C	-15 to 200 °C	-10 to 220 °C	Up to 150 °C
	Free of non-ferrous metal			

Valves with add. electric actuator



Type 3241/3274
Refer to T 5874 EN



Type 3244/3374
Refer to T 5870 EN



Type 3241-1
with solenoid valve
Type 3701
on request



Type 3222/5825
Refer to T 5866 EN



Type 3222/5857
Refer to T 5866 EN



Type 3226/5824
Refer to T 5863 EN



Type 3226/5857
Refer to T 5863 EN



Type 3213/5825
Refer to T 5868 EN
and T 5869 EN



Type 3214/3274
Refer to T 5868 EN
and T 5868-1 EN
and T 5869 EN



Type 3260/5857
Refer to T 5861 EN



Type 3267/5824
Refer to T 5894



Type 3260/3374
Refer to
T 5861 EN



Type 42-36E
Refer to T 3018 EN



Type 42-37E
with 3274-2
See T 3018 EN



Type 2488/5825
Refer to T 3135 EN



Type 2487/5824
Refer to T 3135 EN



Type 2488/5857
Refer to T 3135 EN



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