

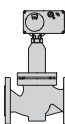
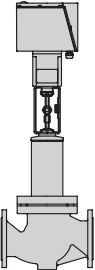
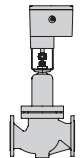


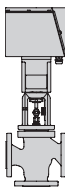
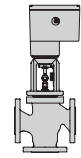
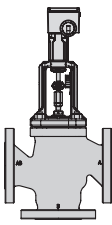
Selection criteria for control valves			
For	Industrial processes	•	•
	Industrial energy networks	•	•
	Heat transfer oil		•
	Heating, ventilation and air-conditioning	•	•
	District heating	•	•
	Electric actuators with process controllers		
Version			
Nominal size	Up to DN 100	Up to DN 150	
Nominal pressure	PN 10 to 40	PN 16 to 40	
Permissible temperature range	-10 to +300 °C	-196 to +450 °C	
Free of non-ferrous metal	•	•	
Tested according to DIN EN 14597	 See overview on page 6		
			
	V2001: Type 3321-E3 ▶ T 8111 EN	Type 3241/3274 ▶ T 5871 EN and ▶ T 5874 EN	
			
	V2001: Type 3323-IP ▶ T 8113 EN	Type 3244/3374 ▶ T 5870 EN	

¹⁾ Also with electric actuator with process controller

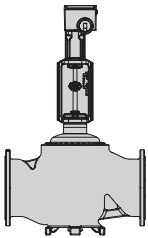
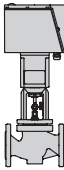
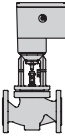
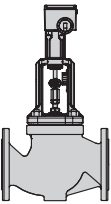
²⁾ Up to DN 32 only

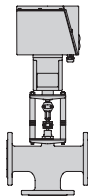
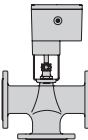
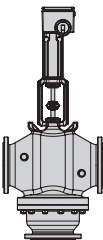
	•	•	
	•	•	•
	•	•	•
	•	•	
			Control valve with additional electric actuator
	Up to DN 50	Up to DN 250	Up to DN 250
	PN 25	PN 16 to 40	PN 16 to 40
	-15 to +200 °C	-10 to +220 °C	Up to 150 °C
	 See overview on page 6		
	 	 	
	Type 3222/5825 ¹⁾ ▶ T 5866 EN	Type 3213/5825 ¹⁾ ▶ T 5869 EN	Type 3214/3274 ▶ T 5868 EN and ▶ T 5869 EN
	 	 	 
	Type 3226/5824 ¹⁾ ▶ T 5863 EN	Type 3260/5857 ¹⁾ ▶ T 5861 EN	Type 2488/5825 ¹⁾ ▶ T 3135 EN
			
	Type 3267/5824 with screwed ends ^{1, 2)} ▶ T 5895 EN		

Control valves with globe valve						
Type of end connections	Flanges	Flanges	Flanges	Flanges	Flanges	
Nominal size	DN 15 to 50	DN 15 to 25	DN 15 to 50	DN 125 to 250	DN 65 to 100	
Nominal pressure	PN 16 and 25	PN 25	PN 16 to 40	PN 16 to 40	PN 16 to 40	
Max. permissible temperature	150 °C (200 °C)	150 °C (200 °C)	150 °C (220 °C)	150 °C (220 °C)	220 °C	
Control	Three-point stepping signal	230 V/50 Hz 230 V/60 Hz ⁴⁾ 24 V/50 Hz 120 V/60 Hz	230 V/50 Hz 230 V/60 Hz ⁴⁾ 24 V/50 Hz 120 V/60 Hz	230 V/50 or 60 Hz 110 V/50 or 60 Hz 24 V/50 or 60 Hz	230 V/50 or 60 Hz 120 V/60 Hz 24 V/50 or 60 Hz	
	Positioner	24 V/50, 60 Hz and DC 85 to 264 V/50 and 60 Hz 0/2 to 10 V 0/4 to 20 mA	24 V/50, 60 Hz and DC 85 to 264 V/50 and 60 Hz 0/2 to 10 V	24 V/50, 60 Hz and DC 85 to 264 V/50 and 60 Hz 0/2 to 10 V 0/4 to 20 mA	230 V/50 or 60 Hz 110 V/50 or 60 Hz 24 V/50 or 60 Hz 0/2 to 10 V 0/4 to 20 mA	24 V/50, 60 Hz and DC 85 to 264 V/50 and 60 Hz 0/2 to 10 V 0/4 to 20 mA
Electric						
    						
Type 3213/5824 ¹⁾ ▶ T 5868 EN Type 3213/5857 ¹⁾ ▶ T 5868 EN Type 3214/5824 ¹⁾ ▶ T 5868 EN Type 3214/3274 ▶ T 5868 EN Type 3214/3374 ▶ T 5868 EN						

Control valves with three-way valve (mixing or diverting valve)						
Type of end connections	Female thread Welding ends Threaded ends	Female thread Welding ends Threaded ends	Flanges	Flanges	Flanges	
Nominal size	DN 15 to 50 ²⁾	DN 15 to 25	DN 15 to 150	DN 125 to 150	DN 100 to 150	
Nominal pressure	PN 25	PN 25	PN 16 to 40	PN 16 to 40	PN 16 to 40	
Max. permissible temperature	150 °C	150 °C	220 °C (450 °C)	220 °C (450 °C)	220 °C (450 °C)	
Control	Three-point stepping signal	230 V/50 Hz 230 V/60 Hz ⁴⁾ 24 V/50 Hz 120 V/60 Hz	230 V/50 Hz 24 V/50 Hz	230 V/50 or 60 Hz 110 V/50 or 60 Hz 24 V/50 or 60 Hz	230 V/50 or 60 Hz 120 V/60 Hz 24 V/50 or 60 Hz	230 V/50 and 60 Hz
	Positioner	24 V/50, 60 Hz and DC 85 to 264 V/50 and 60 Hz 0/2 to 10 V 0/4 to 20 mA	24 V/50, 60 Hz and DC 85 to 264 V/50 and 60 Hz 0/2 to 10 V	230 V/50 or 60 Hz 110 V/50 or 60 Hz 24 V/50 or 60 Hz 0/2 to 10 V 0/4 to 20 mA	24 V/50, 60 Hz and DC 85 to 264 V/50 and 60 Hz 0/2 to 10 V 0/4 to 20 mA	230 V/50 and 60 Hz (pending)
Electric						
    						
Type 3226/5824 ¹⁾ ▶ T 5863 EN Type 3226/5857 ¹⁾ ▶ T 5863 EN Type 3244/3274 ▶ T 5874 EN Type 3244/3374 ▶ T 5870 EN Type 3244/3375						

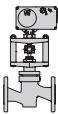
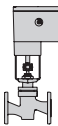
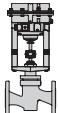
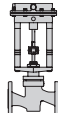
¹⁾ Also with electric actuator with process controller · ²⁾ G ½ to 1 female thread only · ³⁾ Tested according to DIN EN 14597 · ⁴⁾ Special version

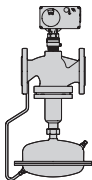
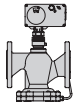
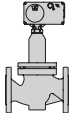
	Flanges	Female thread Welding ends Threaded ends Flanges	Female thread Welding ends Threaded ends Flanges	Threaded ends Welding ends Soldering ends	Flanges	Flanges	Flanges
	DN 300 to 400	DN 15 to 50 ²⁾	DN 15 to 25	DN 25	DN 15 to 150	DN 15 to 150	DN 100 to 150
	PN 16 to 40	PN 25	PN 25	PN 16	PN 16 to 40	PN 16 to 40	PN 16 to 40
	150 °C	150 °C (200 °C)	150 °C (200 °C)	120 °C	220 °C (450 °C)	220 °C (450 °C)	220 °C (450 °C)
	230 V/50 and 60 Hz	230 V/50 Hz 230 V/60 Hz ⁴⁾ 24 V/50 Hz 120 V/60 Hz	230 V/50 Hz 24 V/50 Hz	230 V/50 Hz 24 V/50 Hz	230 V/50 or 60 Hz 110 V/50 or 60 Hz 24 V/50 or 60 Hz	230 V/50 or 60 Hz 120 V/60 Hz 24 V/50 or 60 Hz	230 V/50 and 60 Hz
	230 V/50 and 60 Hz (pending)	24 V/50, 60 Hz and DC 85 to 264 V/50 + 60 Hz 0/2 to 10 V 0/4 to 20 mA	24 V/50, 60 Hz and DC 0/2 to 10 V	24 V/50, 60 Hz and DC 0/2 to 10 V	230 V/50 or 60 Hz 110 V/50 or 60 Hz 24 V/50 or 60 Hz 0/2 to 10 V 0/4 to 20 mA	24 V/50, 60 Hz and DC 85 to 264 V/50 + 60 Hz 0/2 to 10 V 0/4 to 20 mA	230 V/50 and 60 Hz (pending)
							
	Type 3214/3375 ▶ T 5868-1 EN	Type 3222/5824 ¹⁾ ▶ T 5866 EN	Type 3222/5857 ¹⁾ ▶ T 5866 EN	Type 3222 N/5857 ¹⁾ ▶ T 5867 EN	Type 3241/3274 ▶ T 5874 EN	Type 3241/3374 ▶ T 5870 EN	Type 3241/3375

Flanges	Flanges	Flanges	Flanges	Flanges
DN 15 to 50	DN 15 to 25	DN 100 to 150	DN 65 to 150	DN 200 to 300
PN 16	PN 16	PN 16	PN 16	PN 16
130 °C (150 °C)	120 °C (150 °C)	150 °C	150 °C	150 °C
230 V/50 Hz 230 V/60 Hz ⁴⁾ 24 V/50 Hz 120 V/60 Hz	230 V/50 Hz 24 V/50 Hz	230 V/50 or 60 Hz 110 V/50 or 60 Hz 24 V/50 or 60 Hz	230 V/50 or 60 Hz 120 V/60 Hz 24 V/50 or 60 Hz	230 V/50 and 60 Hz
24 V/50, 60 Hz and DC 85 to 264 V/50 and 60 Hz 0/2 to 10 V 0/4 to 20 mA	24 V/50, 60 Hz and DC 0/2 to 10 V	230 V/50 or 60 Hz 110 V/50 or 60 Hz 24 V/50 or 60 Hz 0/2 to 10 V 0/4 to 20 mA	24 V/50, 60 Hz and DC 85 to 264 V/50 and 60 Hz 0/2 to 10 V 0/4 to 20 mA	230 V/50 and 60 Hz (pending)
				
Type 3260/5824 ¹⁾ ▶ T 5861 EN	Type 3260/5857 ¹⁾ ▶ T 5861 EN	Type 3260/3274 ▶ T 5861 EN	Type 3260/3374 ▶ T 5861 EN	Type 3260/3375

Control valves with jet pump
Screwed ends
DN 15 to 32
PN 25
110 °C (150 °C)
230 V/50 Hz 24 V/50 Hz
24 V/50, 60 Hz and DC 0/2 to 10 V

Type 3267/5857 ¹⁾ ▶ T 5895 EN
Further devices: Type 3267/5824 ¹⁾ Type 3267/5825 ^{1), 3)}

Series V2001 Valves with flanges				
Version	Globe valve			
Nominal size	DN 15 to 100			
Nominal pressure	PN 10 to 40			
Max. permissible temperature	220 °C (300 °C with insulating section)			
Electric				
	V2001: Type 3321-E1 ⁴⁾ ▶ T 8111 EN		V2001: Type 3321-E3 ^{1,2)} ▶ T 8111 EN	
Pneumatic				
	V2001: Type 3321-IP ▶ T 8111 EN		V2001: Type 3321-PP ▶ T 8111 EN	

Control valves with fail-safe action (globe valves for water and steam in heating systems according to DIN EN 14597)					
Type of end connections	Flanges	Female thread Welding ends Threaded ends Flanges	Flanges	Flanges	
Nominal size	DN 15 to 250	DN 15 to 50 ³⁾	DN 15 to 50	DN 15 to 50	
Nominal pressure	PN 16 to 40	PN 16 and 25	PN 16 and 25	PN 16 to 40	
Max. permissible temperature	150 °C	150 °C	150 °C (200 °C)	150 °C (220 °C)	
Control	Three-point stepping signal	230 V/50 Hz 230 V/60 Hz ⁵⁾ 24 V/50 Hz 120 V/60 Hz	230 V/50 Hz 230 V/60 Hz ⁵⁾ 24 V/50 Hz 120 V/60 Hz	230 V/50 Hz 230 V/60 Hz ⁵⁾ 24 V/50 Hz 120 V/60 Hz	
	Positioner	24 V/50, 60 Hz and DC 85 to 264 V/50 and 60 Hz 0/2 to 10 V 0/4 to 20 mA	24 V/50, 60 Hz and DC 85 to 264 V/50 and 60 Hz 0/2 to 10 V 0/4 to 20 mA	24 V/50, 60 Hz and DC 85 to 264 V/50 and 60 Hz 0/2 to 10 V 0/4 to 20 mA	
Electric					
	Type 42-36 E ⁴⁾ ▶ T 3018 EN		Type 2488/5825 ⁴⁾ ▶ T 3135 EN		
					
	Type 3213/5825 ⁴⁾ ▶ T 5869 EN		Type 3214/5825 ⁴⁾ ▶ T 5869 EN		

Actuators					
Electric actuator				•	•
Electrohydraulic actuator	•				
Pneumatic actuator		•	•		
Electric actuator with process controller					
					
	Type 3274 ▶ T 8340 EN		Type 3371		
					
	Type 3372		Type 3274 ▶ T 8331 EN		
					
	Type 3375 ▶ T 8332 EN				

¹⁾ Tested according to DIN EN 14597. ²⁾ DN 15 to 50 only. ³⁾ G ½ to 1 female thread only. ⁴⁾ Also with electric actuator with process controller. ⁵⁾ Special version

Specifications subject to change without notice



SAMSON AG · MESS- UND REGELTECHNIK
Weismüllerstraße 3 · 60314 Frankfurt am Main, Germany
Phone: +49 69 4009-0 · Fax: +49 69 4009-1507
samson@samson.de · www.samson.de

T 5800 EN

2015-09-03 · English