

Series 240/250

Type 3241/3375 Electric Control Valve; Type 3241 Globe Valve
Type 3244/3375 Electric Control Valve; Type 3244 Three-way Valve
Type 3251/3375 Electric Control Valve; Type 3251 Globe Valve
Type 3256/3375 Electric Control Valve; Type 3256 Angle Valve



Application

Versatile control valves for industrial applications as well as for heating, ventilation and air-conditioning systems

DN 15 to 150 · PN 16 to 40 · Temperatures from -196 to +450 °C



Type 3241 and Type 3251 **Globe Valves** with Type 3375 Electric Actuators

- Type 3241 Globe Valve, refer to Data Sheet ▶ T 8015
- Type 3251 Globe Valve, refer to Data Sheet ▶ T 8051

Type 3244 **Three-way Valve** with Type 3375 Electric Actuator

- Type 3244 Three-way Valve, refer to Data Sheet ▶ T 8026

Type 3256 **Angle Valve** with Type 3375 Electric Actuator

- Type 3256 Angle Valve, refer to Data Sheet ▶ T 8065

The Type 3375 Electric Actuator is available in various versions (for details, refer to Data Sheet ▶ T 8332):

- With additional electrical equipment (limit contacts, resistance transmitter, positioner)

Also available:

- Type 3241 Globe Valve with other electric actuators, refer to Data Sheets ▶ T 5874, ▶ T 5874, ▶ T 8340, and ▶ T 8331
- Type 3244 Three-way Valve with other electric actuators, refer to Data Sheets ▶ T 5874, ▶ T 5874, ▶ T 8340, and ▶ T 8331
- Pneumatic actuators, refer to Data Sheet ▶ T 8015
- Versions tested according to DIN EN 14597, refer to Data Sheet ▶ T 5871

Installation

The control valves can be installed in any desired position except with the actuator suspended downwards. The actuator is attached to the yoke with a fastening nut.

Compliance

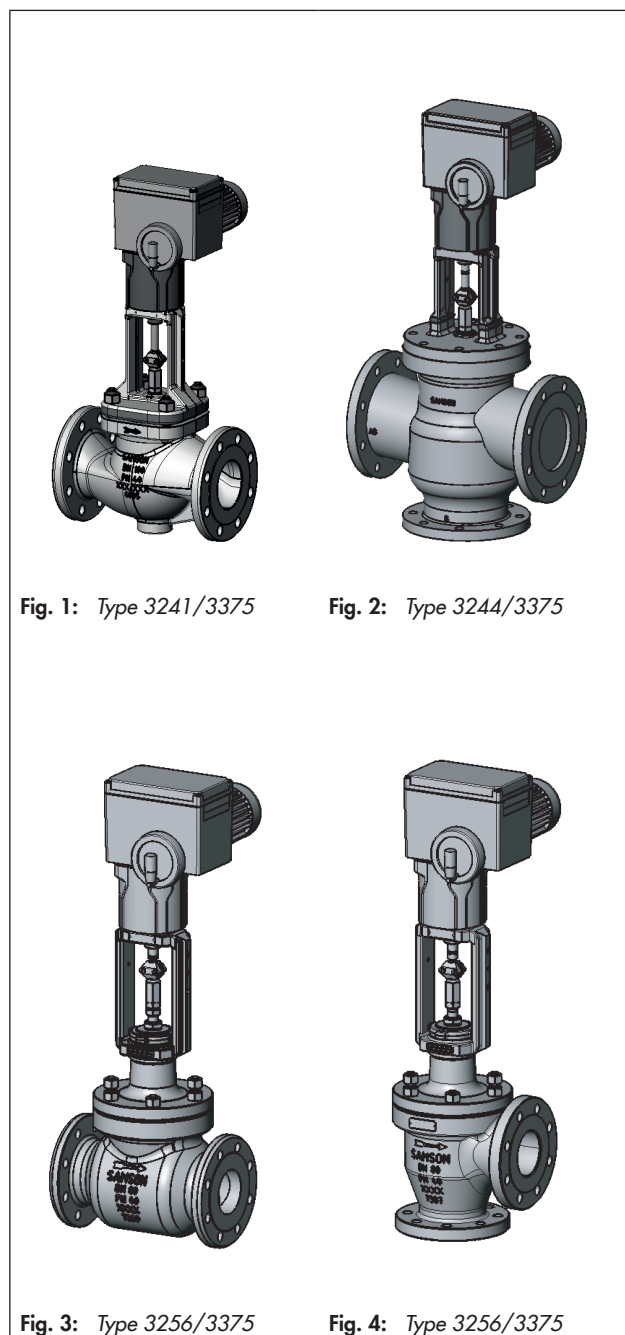


Fig. 3: Type 3256/3375

Fig. 4: Type 3256/3375

Ordering text

- Electric control valve · Type 3241/3375, Type 3244/3375, Type 3251/3375, or Type 3256/3375
- DN ..., body material, PN ...
- For Type 3244 Valve: mixing or diverting valve
- Type 3375 Actuator:
Power supply of version with three-step signal:
230 V/50 or 60 Hz
Power supply of positioner:
230 V/50 or 60 Hz
- Optionally, special version

Table 1: Permissible differential pressures Δp in bar ($p_2 = 0$ bar)

Table 1.1: Type 3241/3375 with unbalanced plug

K_{VS} coefficient		100	160	200	260
Seat \varnothing	mm	80	100	110	130
Travel	mm	30			
DN					
100			13.5		
125			13.5	11.1	
150		21.4		13.5	7.8

Table 1.2: Type 3244/3375

Mixing valve

K_{VS} coefficient		100	140	160	200	300
Seat \varnothing	mm	80	90	100	110	130
Travel	mm	30				
DN						
100		21		13		
125			16.5		11	
150					11	7.8

Diverting valve

- Direction of flow AB \Rightarrow A with maximum K_{VS}
- Direction of flow AB \Rightarrow B with reduced K_{VS}

K_{VS} coefficient		160/100	200/140	300/200
Seat \varnothing	mm	100/80	110/90	130/110
Travel	mm	30		
DN				
100		13/21		
125			11/16.5	
150				7.8/11

Table 1.3: Type 3251/3375 and Type 3256/3375

K _{VS} coefficient	0.1 to 1.0	1.6 to 2.5	4	6.3 to 10	16	25	40	63	100	160
Seat Ø mm	6	12	24	24	31	38	50	63	80	100
Travel mm	15						30			
DN										
15	400	400	235							
25	400	400	235	235						
40	400	400	235	325	140	90				
50			225	225	130	85	50			
80			225	225	130	85	50	33	20	
100						85	50	33	20	12

Table 2: Dimensions and weights

Table 2.1: Type 3241/3375

Nominal size	DN	100	125	150
Length L	mm	350	400	480
Height H1	mm	350	363	390
Height H2	mm	118	144	175
Height H	mm	627	640	667
Weight	kg (approx.)	54	92	132

Table 2.2: Type 3244/3375

Nominal size	DN	100	125	150
Length L	mm	350	400	480
Height H1	mm	360	375	375
Height H2	mm	150	200	210
Height H	mm	637	652	652
Weight	kg (approx.)	61	107	147

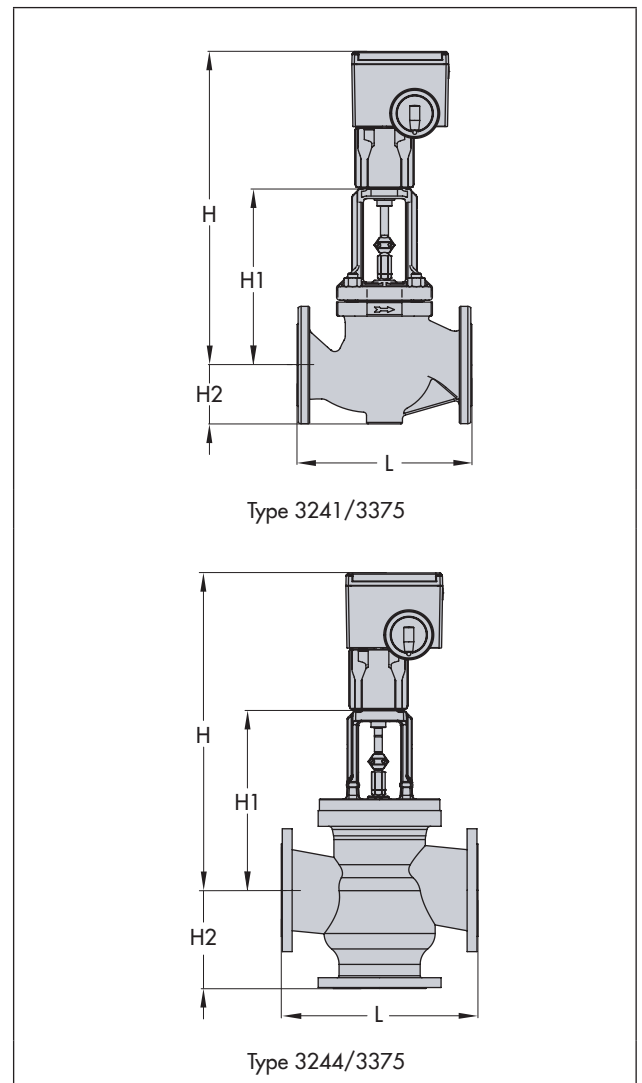
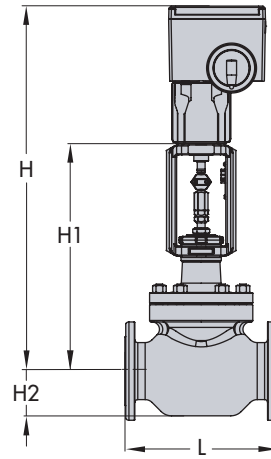


Table 2.3: Type 3251/3375

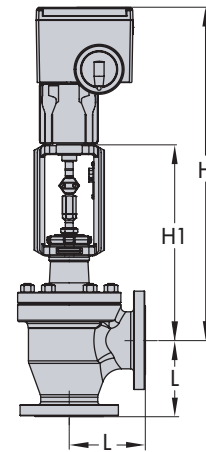
Nominal size	DN	15	25	40	50	80	100
Length L	mm	130	160	200	230	310	350
Height H1	mm	392	392	404	457	462	482
Height H2	mm	50	60	80	90	100	160
Height H	mm	669	669	681	734	739	759
Weight, kg (approx.)		27.5	29.5	33.5	50	71	90

Table 2.4: Type 3256/3375

Nominal size	DN	15	25	40	50	80	100
Length L	mm	90	100	115	125	155	175
Height H1	mm	374	369	369	415	400	410
Height H	mm	651	646	646	692	677	687
Weight, kg (approx.)		30	33	40	57	80	97



Type 3251/3375



Type 3256/3375

Specifications subject to change without notice



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