



T 2000 EN

Products and Their Components

Self-operated Regulators

This document lists the designation number of components (on the nameplate) assigned to the model number of the product.

The list only contains standard device constructions. The standard device constructions may also be upgraded through the use of additional components from the SAMSON product range that are not listed in this document.

If a regulator installed in a plant includes components that are not listed in this document, contact SAMSON's After-sales Service (► aftersaleservice@samsongroup.com) for further information.

1 Model number assigned to product designation (on nameplate)

1.1 Pressure reducing valves

Model number	Consists of:			
2404-1	Main valve	2406		
	Pilot valve	2405		
	Input pressure regulator	2441		
2422/2424	Valve	2422		
	Actuator	2424		
2333	Main valve	2422		
	Pilot valve ¹⁾	44-0 B	2440	
		44-1 B	2441	
		44-2	2442	
		2405	2405	
		41-23	2412	
			2413	
2334	Valve	2422		
	Actuator ²⁾	2420		
	Pilot valve ¹⁾	44-1 B	2441	
		44-2	2442	
		2405	2405	
		41-23	2412	
			2413	

¹⁾ Depending on version/plant specifications

²⁾ With main valve balanced by a bellows

Model number	Consists of:	
41-23	Valve	2412
	Actuator	2413

¹⁾ Depending on version/plant specifications

²⁾ With main valve balanced by a bellows

1.2 Excess pressure valves

Model number	Consists of:			
2404-2	Main valve ¹⁾	2406		
	Main valve ²⁾	2422		
	Pilot valve	2406		
	Input pressure regulator	2441		
2422/2425	Valve	2422		
	Actuator	2425		
2334	Valve	2422		
	Actuator ⁴⁾	2420		
	Pilot valve ³⁾	44-6 B	2446	
		44-7	2447	
		2406	2406	
		41-73	2412	
			2417	

¹⁾ DN 65 to 150/NPS 2½ to 6

²⁾ DN 200 to 400/NPS 8 to 16

³⁾ Depending on version/plant specifications

⁴⁾ With main valve balanced by a bellows

Model number	Consists of:		
2335	Main valve	2422	
	Pilot valve ³⁾	44-6 B	2446
		44-7	2447
		2406	2406
		41-73	2417
			2413
41-73	Valve	2417	
	Actuator	2413	

- 1) DN 65 to 150/NPS 2½ to 6
2) DN 200 to 400/NPS 8 to 16
3) Depending on version/plant specifications
4) With main valve balanced by a bellows

1.3 Differential pressure regulators

Model number	Consists of:		
2334	Valve	2422	
	Actuator ¹⁾	2420	
	Pilot valve	45-2 ²⁾	2452
		45-4 ³⁾	2454
42-20	Valve	2422	
	Actuator	2420	
42-24	Valve	2422	
	Actuator	2424	
42-25	Valve	2422	
	Actuator	2425	
42-28	Valve	2422	
	Actuator	2428	

- 1) With main valve balanced by a bellows
2) For installation in flow pipe
3) For installation in return flow pipe

1.4 Differential pressure regulators with flow limitation

Model number	Consists of:		
2334	Valve	2423	
	Actuator ¹⁾	2420	
	Pilot valve	45-1	2451
		45-2 ²⁾	2452
		45-4 ³⁾	2454

- 1) With main valve balanced by a bellows
2) For installation in flow pipe
3) For installation in return flow pipe

Model number	Consists of:	
42-34	Valve	2423
	Actuator	2424
42-38	Valve	2423
	Actuator	2428

- 1) With main valve balanced by a bellows
2) For installation in flow pipe
3) For installation in return flow pipe

1.5 Flow regulators

Model number	Consists of:	
2334	Valve	2423
	Actuator ¹⁾	2420
	Pilot valve	45-1
42-36	Valve	2423
	Actuator	2426

- 1) With main valve balanced by a bellows

1.6 Flow and differential pressure regulators

Model number	Consists of:	
42-37	Valve	2423
	Actuator	2427

1.7 Flow and differential pressure or pressure regulators

Model number	Consists of:	
42-39	Valve	2423
	Actuator	2429

1.8 Pressure-independent control valves (PICV)

Model number	Consists of:	
42-36 E	Valve	2423
	Actuator	2426
	Electric actuator ¹⁾	5827-x
		3374-x

- 1) Depending on version/plant specifications

1.9 Temperature regulators for cooling applications

Model number	Consists of:	
4u	Valve	2422
	Control thermostat	2231
		2232
		2234
43-3	Valve	2433
	Control thermostat	2430
43-6	Valve	2436
	Control thermostat	2430
9	Valve	2119
	Control thermostat	2231
		2232
		2234

1.10 Temperature regulators for heating applications

Model number	Consists of:	
1	Valve	2111
	Control thermostat	2231
		2232
		2234
4	Valve	2422
	Control thermostat	2231
		2232
		2234
43-1	Valve	2431
	Control thermostat	2430
43-2/43-2 N	Valve	2432
	Control thermostat	2430
43-3	Valve	2433
	Control thermostat	2430
43-5	Valve	2435
	Control thermostat	2430
43-7	Valve	2437
	Control thermostat	2430
43-8/43-8 N	Valve	2432
	Hydraulic controller	2438
	Control thermostat	2430
9	Valve	2119
	Control thermostat	2231
		2232
		2234

2 Individual components (can be combined with all regulators)

Model number	Consists of:	
1 N/1 NI	Strainer	2601
2 N/2 NI	Strainer	2602
2212	Safety temperature limiters (STL)	2212
2213	Safety temperature monitors (STM)	2213
2401-1	Safety pressure limiter (SPL) with pressure element	2401-1
2401-2	Pressure limiter (PL) with pressure element	2401-2
2403	Safety temperature monitor (STM) with safety thermostat	2403
2439	Safety temperature limiters (STL)	2439
x DoT	Regulator additionally with control thermostat	2231
		2232
		2234

3 Product designation (on nameplate) assigned to model number

Product designation (on nameplate)	Component	Model number
2111	Valve	1
2119	Valve	9
2212	Safety temperature limiters (STL)	2212
		Depending on the valve
2213	Safety temperature monitors (STM)	2213
		Depending on the valve
2231	Control thermostat	1
		4
		4u
		9
2232		All DoT
2234		
2401-1	Safety pressure limiter (SPL) with pressure element	2401-1
		Depending on the valve
2401-2	Pressure limiter (PL) with pressure element	2401-2
		Depending on the valve
2403	Safety temperature monitor (STM) with safety thermostat	2403
		Depending on the valve
2405	Pressure reducing valve	2405
		2404-1
		2333
		2334
2406	Excess pressure valve	2406
		2404-1
		2404-2
		2334
		2335
2412	Valve	41-23
2413	Actuator	41-23
		41-73
2417	Valve	41-73
2420	Actuator	2334
		42-20

Product designation (on nameplate)	Component	Model number
2422	Valve	2422/2424
		2333
		2334
		2335
		2404-2
		2422/2425
		42-20
		42-24
		42-25
		42-28
		4
		4u
2423	Valve	2334
		42-34
		42-38
		42-36
		42-36 E
		42-37
		42-39
2424	Actuator	2422/2424
		42-24
		42-34
2425	Actuator	2422/2425
		42-25
2426	Actuator	42-36
		42-36 E
2427	Actuator	42-37
2428	Actuator	42-28
		42-38
2429	Actuator	42-39
2430	Control thermostat	43-1
		43-2/43-2 N
		43-3
		43-5
		43-6
		43-7
		43-8/43-8 N
2431	Valve	43-1

Product designation (on nameplate)	Component	Model number
2432	Valve	43-2/43-2 N
		43-8/43-8 N
2433	Valve	43-3
2435	Valve	43-5
2436	Valve	43-6
2437	Valve	43-7
2438	Hydraulic controller	43-8/43-8 N
2439	Safety temperature limiters (STL)	2439
		Depending on the valve
2440	Pressure reducing valve	44-0 B
		2333
2441	Pressure reducing valve	44-1 B
		2404-1
		2404-2
		2333
		2334
2442	Pressure reducing valve	44-2
		2333
		2334
2447	Excess pressure valve	44-7
		2334
		2335
2451	Differential pressure regulator	45-1
		2334
2452	Differential pressure regulator	45-2
		2334
2454	Differential pressure regulator	45-4
		2334
2601	Strainer	1 N/1 NI
		2333
		2334
2602	Strainer	2335
		2 N/2 NI
		2333
		2334
		2335
3374-x	Electric actuator	42-36 E
5827-x	Electric actuator	42-36 E

