

## 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](mailto: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 <sup>1)</sup>	44-0 B	2440
		44-1 B	2441
		44-2	2442
		2405	2405
		41-23	2412
			2413
2334	Valve	2422	
	Actuator <sup>2)</sup>	2420	
	Pilot valve <sup>1)</sup>	44-1 B	2441
		44-2	2442
		2405	2405
		41-23	2412
			2413
		41-23	Valve
Actuator	2413		

<sup>1)</sup> Depending on version/plant specifications

<sup>2)</sup> With main valve balanced by a bellows

### 1.2 Excess pressure valves

Model number	Consists of:		
2404-2	Main valve <sup>1)</sup>	2406	
	Main valve <sup>2)</sup>	2422	
	Pilot valve	2406	
	Input pressure regulator	2441	
2422/2425	Valve	2422	
	Actuator	2425	
2334	Valve	2422	
	Actuator <sup>4)</sup>	2420	
	Pilot valve <sup>3)</sup>	44-6 B	2446
		44-7	2447
		2406	2406
		41-73	2412
			2417
		2335	Main valve
Pilot valve <sup>3)</sup>	44-6 B		2446
	44-7		2447
	2406		2406
	41-73		2417
			2413
	41-73		Valve
Actuator		2413	

<sup>1)</sup> DN 65 to 150/NPS 2½ to 6

<sup>2)</sup> DN 200 to 400/NPS 8 to 16

<sup>3)</sup> Depending on version/plant specifications

<sup>4)</sup> With main valve balanced by a bellows

### 1.3 Differential pressure regulators

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

<sup>1)</sup> With main valve balanced by a bellows

<sup>2)</sup> For installation in flow pipe

<sup>3)</sup> For installation in return pipe

### 1.4 Differential pressure regulators with flow limitation

Model number	Consists of:	
2334	Valve	2423
	Actuator <sup>1)</sup>	2420
	Pilot valve	45-1
		45-2 <sup>2)</sup>
		45-4 <sup>3)</sup>
42-34	Valve	2423
	Actuator	2424
42-38	Valve	2423
	Actuator	2428

<sup>1)</sup> With main valve balanced by a bellows

<sup>2)</sup> For installation in flow pipe

<sup>3)</sup> For installation in return pipe

### 1.5 Flow regulators

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

<sup>1)</sup> 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 <sup>1)</sup>	5827-x
		3374-x

<sup>1)</sup> 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:	
<b>1</b>	Valve	2111
	Control thermostat	2231
		2232
		2234
<b>4</b>	Valve	2422
	Control thermostat	2231
		2232
		2234
<b>43-1</b>	Valve	2431
	Control thermostat	2430
<b>43-2/43-2 N</b>	Valve	2432
	Control thermostat	2430
<b>43-3</b>	Valve	2433
	Control thermostat	2430
<b>43-5</b>	Valve	2435
	Control thermostat	2430
<b>43-7</b>	Valve	2437
	Control thermostat	2430
<b>43-8/43-8 N</b>	Valve	2432
	Hydraulic controller	2438
	Control thermostat	2430
<b>9</b>	Valve	2119
	Control thermostat	2231
		2232
		2234

## 2 Individual components (can be combined with all regulators)

Model number	Consists of:	
<b>1 N/1 NI</b>	Strainer	2601
<b>2 N/2 NI</b>	Strainer	2602
<b>2212</b>	Safety temperature limiter (STL)	2212
<b>2213</b>	Safety temperature monitor (STM)	2213
<b>2401-1</b>	Safety pressure limiter (SPL) with pressure element	2401-1
<b>2401-2</b>	Pressure limiter (PL) with pressure element	2401-2
<b>2403</b>	Safety temperature monitor (STM) with safety thermostat	2403
<b>2439</b>	Safety temperature limiter (STL)	2439
<b>x DoT</b>	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 limiter (STL)	2212
		Depending on the valve
2213	Safety temperature monitor (STM)	2213
		Depending on the valve
2231	Control thermostat	1
		4
2232		4u
		9
2234		All DoT
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 <sup>1)</sup>
		2334 <sup>1)</sup>
2406	Excess pressure valve	2406
		2404-1
		2404-2
		2334 <sup>1)</sup>
		2335 <sup>1)</sup>
2412	Valve	41-23
2413	Actuator	41-23
		41-73
2417	Valve	41-73
2420	Actuator	2334 <sup>1)</sup>
		42-20

<sup>1)</sup> Device with product designation is part of Type ...

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

<sup>1)</sup> Device with product designation is part of Type ...

Product designation (on nameplate)	Component	Model number
<b>2431</b>	Valve	43-1
<b>2432</b>	Valve	43-2/43-2 N
		43-8/43-8 N
<b>2433</b>	Valve	43-3
<b>2435</b>	Valve	43-5
<b>2436</b>	Valve	43-6
<b>2437</b>	Valve	43-7
<b>2438</b>	Hydraulic controller	43-8/43-8 N
<b>2439</b>	Safety temperature limiter (STL)	2439
		Depending on the valve
<b>2440</b>	Pressure reducing valve	44-0 B
		2333 <sup>1)</sup>
<b>2441</b>	Pressure reducing valve	44-1 B
		2404-1
		2404-2
		2333 <sup>1)</sup>
		2334 <sup>1)</sup>
<b>2442</b>	Pressure reducing valve	44-2
		2333 <sup>1)</sup>
		2334 <sup>1)</sup>
<b>2443</b>	Safety shut-off valve (SSV) with pressure reducing valve	44-3
<b>2444</b>	Safety excess pressure valve (SEV)	44-4
<b>2446</b>	Excess pressure valve	44-6 B
<b>2447</b>	Excess pressure valve	44-7
		2334 <sup>1)</sup>
		2335 <sup>1)</sup>
<b>2449</b>	Safety shut-off valve (SSV) with pressure reducing valve	44-9
<b>2451</b>	Differential pressure regulator	45-1
		45-1 N
		2334 <sup>1)</sup>
<b>2452</b>	Differential pressure regulator	45-2
		2334 <sup>1)</sup>
<b>2453</b>	Differential pressure regulator	45-3
		45-3 N

<sup>1)</sup> Device with product designation is part of Type ...

Product designation (on nameplate)	Component	Model number
<b>2454</b>	Differential pressure regulator	45-4
		2334 <sup>1)</sup>
<b>2456</b>	Differential pressure regulator	45-6
<b>2459</b>	Flow regulator	45-9
<b>2465</b>	Differential pressure regulator with flow limitation	46-5
		46-5 N
<b>2466</b>	Differential pressure regulator with flow limitation	46-6
<b>2467</b>	Flow and differential pressure regulator	46-7
<b>2471</b>	Flow and differential pressure or pressure regulator	47-1
<b>2475</b>	Flow and differential pressure regulator	47-5
<b>2601</b>	Strainer	1 N/1 NI
		2333 <sup>1)</sup>
		2334 <sup>1)</sup>
		2335 <sup>1)</sup>
<b>2602</b>	Strainer	2 N/2 NI
		2333 <sup>1)</sup>
		2334 <sup>1)</sup>
		2335 <sup>1)</sup>
<b>3374-x</b>	Electric actuator	42-36 E
<b>5827-x</b>	Electric actuator	42-36 E

<sup>1)</sup> Device with product designation is part of Type ...

