

# Compact and Powerful

The SAMSON logo consists of the word "SAMSON" in a bold, white, sans-serif font, centered within a solid black circle. This circle is itself centered within a white square frame.

**Low-maintenance valves balanced by a diaphragm for applications in heating and cooling water networks**



Pressure reducing valve



Flow regulator



Electric control valve

**SMART IN FLOW CONTROL**

# Compact and Powerful



Function <sup>1)</sup>	Pressure reducing valve	Excess pressure valve	Differential pressure regulator	Flow regulator	Control valve
Type	2333 <sup>2)</sup>	2335 <sup>2)</sup>	42-24, 42-25 or 2334	42-36 or 2334	3214
Pressure rating	PN 16, 25 or 40				
Perm. temperature	-10 to 150 °C				
Suitable for	Circuit water and water/glycol mixtures with up to 30 % glycol				

<sup>1)</sup> Temperature regulators and combined regulators with several functions, e.g. for flow rate and differential pressure regulation, are also available.

<sup>2)</sup> DN 65 and larger

Valve size	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 400
Perm. differential pressure	10 bar			12 bar		10 bar			6 bar
K <sub>vs</sub> for self-operated regulators	50	80	125	250	380	650	800	1250	2000
K <sub>vs</sub> for control valves	50	80	125	230	340	620	750	1200	2000
Max. flow rate (water in m <sup>3</sup> /h) for 0.2 bar differential pressure at the restriction	28	35	63	120	180	320	350	750	1350

## Materials

Body	Cast iron EN-GJL-250, spheroidal graphite iron EN-GJS-400-18-LT <sup>3)</sup>	Cast iron EN-GJL-250, spheroidal graphite iron EN-GJS-400-18-LT <sup>3)</sup> , cast steel 1.0619
Seat, plug	Stainless steel 1.4408/ hot-pressed brass CW617N <sup>4)</sup>	Red brass CC499K <sup>5)</sup> Stainless steel 1.4301
Soft seal	EPDM	
Rolling diaphragm	Fabric-reinforced EPDM	

<sup>3)</sup> Not for DN 200 to 400

<sup>4)</sup> Flow regulator in stainless steel 1.4006/1.4104

<sup>5)</sup> Special version in stainless steel 1.4409

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