



# SAUTER Valveco compact

A pressure-independent multi-function valve



I take care of **everything in one unit.**

**Valveco compact combines a balancing valve, a control valve and a differential pressure controller.**

You want to save time, money and energy? Do you heat with a water heater or cool using a water-based cooling system? Then you are surely aware that not many HVAC systems work flawlessly and effectively. The consequences are excessive energy consumption and huge distribution losses. The solution: hydronic balancing. This ensures that each heating and cooling surface is supplied with exactly the right volume required to achieve the desired room temperature for each room.

With SAUTER Valveco compact, you can now put an end to needless energy waste. This all-rounder combines three functions in one device: Balancing valve, control valve and internal differential pressure controller. The pressure-independent multi-function valve controls the hydronic balancing automatically, thus reducing consumption, costs and labour time.

# Versatile for various HVAC applications.



**Precise volume flow control with SAUTER Valveco compact for the following, for example:**

- Room and zone applications
- Air handling units
- Air-conditioning systems
- Chilled beams
- Radiators
- Fan-coil units
- New buildings
- Renovations
- Extensions



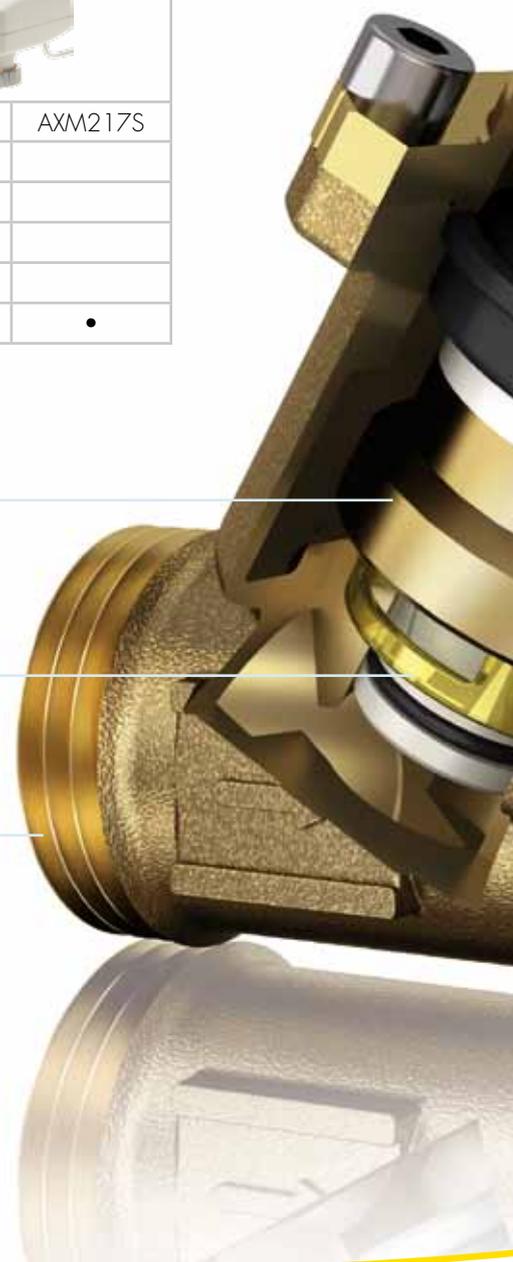
## Safe, reliable and **constant**.

Type designation		VDL			
Housing material		dezincification-resistant cast brass			
Nominal pressure		PN25			
Nominal diameter		DN10 to DN20			
Max. volume flow		30 to 1330 l/h			
Connection		male thread G			
Differential pressure		14...400 kPa			
Temperature of medium		0°C to +120 °C			
Characteristic		linear			
Leakage rate		<0.01% of nominal volume flow			
Actuators		Thermal		Motorised	
					
		AXT211	AXS215S	AXM217	AXM217S
2-point or pulse-pause clock signal	24 V	•			
	230 V	•			
3-point	24 V			•	
	230 V			•	
0...10 V	24 V		•		•

Integrated differential pressure controller for stable control of up to 400 kPa of differential pressure. The regulating valve always has 100-percent authority.

The presetting has no effect on the valve stroke. Always full-stroke control according to a very precise linear characteristic.

Quick and easy to fit into the pipe by means of male threads.

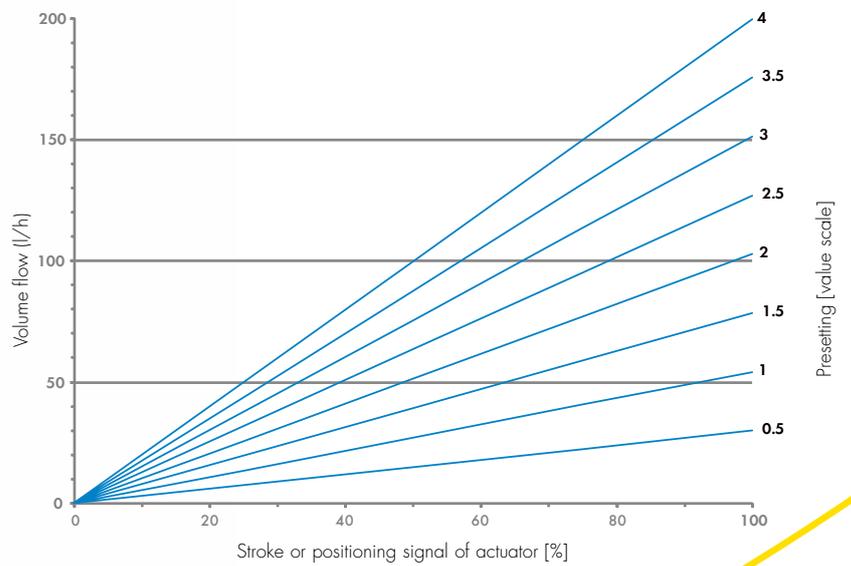




Precise presetting of the maximum volume flow rate on the infinitely-variable scale. Presetting is possible without having to use any tools.

Thermal or motorised actuators can be fitted without having to use any tools.

### Volume flow set with full stroke.



Example VDLO15F220

# SAUTER Valveco compact **in practice.**

## **How dynamic regulating valves work**

Do you plan, install or operate HVAC installations? Then our unique innovation is just the thing for you. SAUTER Valveco compact compensates for pressure fluctuations and, acting as a variable resistance, maintains hydraulically adapted conditions in any installation. The planning is simple. Two or three volume flow ranges are available for each nominal diameter. This regulating valve can be used with the AXT, AXS and AXM thermal or motorised actuators.

And that's not all the flexibility that they have to offer: if there is a change in use, you can easily adjust the maximum volume flow rate.

They are also very easy to fit. Thanks to the 3-in-1 design, you reduce the total number of valves needed and, therefore, the labour time for installation and maintenance. The automatic hydronic balancing means that no manual recalibration is necessary. So that the technician can easily check and set the optimal differential pressure on site, SAUTER Valveco compact is available with pressure measurement points. The existing installation is not impaired in any way.

Increase your energy efficiency with SAUTER. Our multi-function valve provides exact temperature control and a precise control characteristic. This ensures that there is no excess supply.





## SAUTER improves your **energy efficiency**.

### **SAUTER puts acknowledged specialists at your disposal.**

Opt for products from SAUTER and benefit from more than 100 years of experience in measuring and control technology. Take advantage of the innovation of Valveco compact. This pressure-independent multi-function valve is yet another example of the many flexible and practical solutions that we create in order to help you to reduce energy consumption and, therefore, save on energy costs. Because active environmental protection is important to us. This is why we developed the ECO10 program. It demonstrates how to protect the environment and reduce consumption and costs. It provides maximum savings and maximum comfort.

With Valveco compact, we have another product in our range that guarantees high savings potential. Limitation of the throughflow and automatic hydronic balancing ensure energy-efficient and cost-effective plant operation. This prevents oversupply without compromising the comfort of the users of the building. Take another step towards energy efficiency. Choose Valveco compact from SAUTER.

1. Centralisation and visualisation of information
2. Comparison with internal and external benchmarks
3. Customised energy concept
4. Demonstration of options for alternative energy
5. Marked reduction in emissions
6. Use of pioneering, interconnected products and solutions
7. All the specialist sub-systems are interconnected by open, flexible systems
8. Technological harmonisation of the building's envelope, the automation system and the plant technology
9. Users are encouraged to adopt energy-conscious behaviour
10. Guaranteed reduction in operating costs



Systems

Components

Services

Facility Management

PT100011978

## SAUTER Valveco compact **at a glance.**

The advantages of the SAUTER Valveco compact at a glance: How you benefit:

+	The design volume flow is guaranteed	▶	Low energy consumption
+	Volume flow changes possible at any time	▶	Versatility
+	No further regulating valves required	▶	Reduction of the total number thanks to multi-function design
+	Uncomplicated sizing; easy and accurate presetting of the volume flow	▶	Less labour time required
+	Precise volume flow control	▶	High level of long-lasting comfort for end consumers
+	Differential pressure controller absorbs pressure fluctuations and compensates for them	▶	Fewer temperature fluctuations and reduced energy consumption