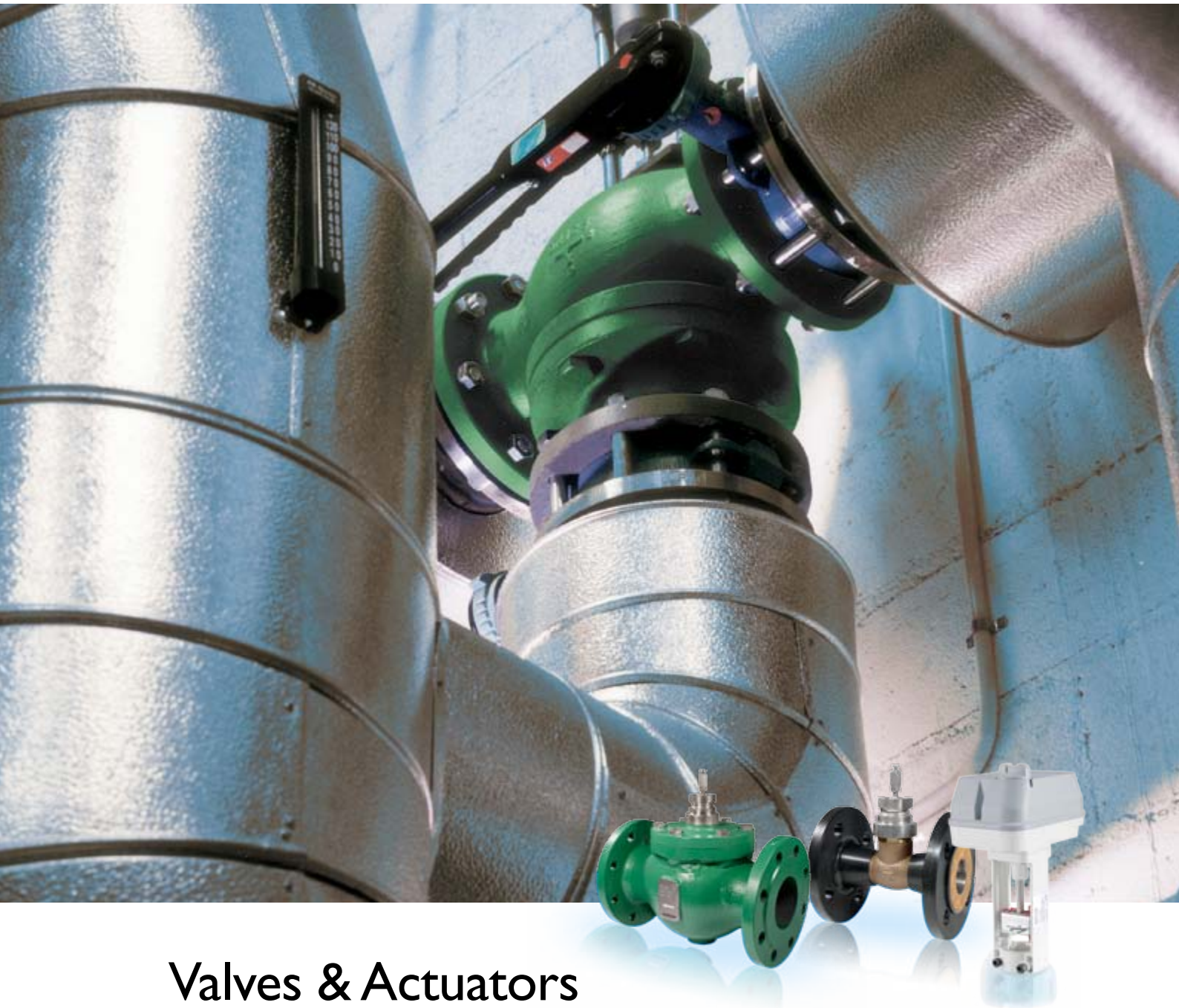


VALVES & ACTUATORS



Valves & Actuators

For energy-efficient comfort heating, cooling, HVAC and domestic hot water systems
Kv 0.25 - 310

OSBY OAB

 **REGIN**

THE CHALLENGER IN BUILDING AUTOMATION



Valves and actuators for energy-efficient systems

With a tradition in the valve industry that extends back to the 1920s, Osby Armatur (OAB) is a strong brand within valve technology. This tradition and expertise lives on at our production site in Osby. There we develop, install and test our valves.

Energy efficient systems put great demands on valve characteristics

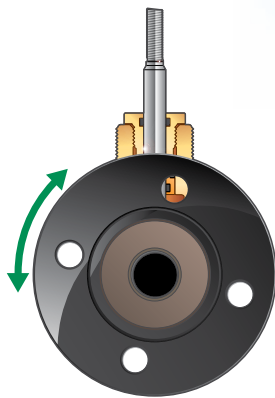
The precision and performance of valves are decisive factors in creating an energy-efficient system. Therefore, Regin's production centre in Osby places great emphasis on developing high control precision and fully sealed valves. Being a front-runner in the valve industry, Regin can now offer three new series of valves. All of them were developed using new technology making them all bubble tight when closed, which minimizes energy losses. The valves are available in dimensions up to DN 150. Gradually, this technology will be applied to other series of valves, as well.

Save energy using Regin OAB-valves

In most systems for comfort and hot water production, the valves are over-dimensioned*, especially in older installations. Traditionally, valves were selected to tolerate the most extreme conditions in order to be on the safe side. As a result, the valves were over-sized in normal operating conditions and only a part of their stroke was being used. By installing a valve with the correct Kvs value, high control precision and valve authority and more stable control are achieved, as well as a more energy efficient operation. If you choose an OAB-valve from the Regin product series you will both minimise energy costs and save the environment.

Regin's valves are marketed under the name OAB; a brand which stands for high quality performance.





READY STEADY GO

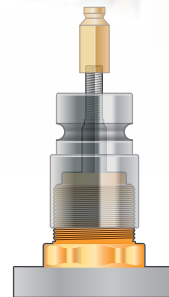
The FRS valves' dimensions, turnable flange connections and pre-mounted flange seals make installation quick and easy.

Regin Ready-Steady-Go valves

We at Regin want to make installation easy for you. We call it Ready-Steady-Go. A good example is our FRS valve, which is a replacement for older STL valves (TA valves). The FRS valve has high control precision and is fully sealed when closed. Installation is facilitated by measurements designed for installing between flanges, turnable flange connections and pre-mounted flange seals.

Regin's valve sizing calculator

Regin's web-based tool for valve sizing makes it considerably easier to calculate the kv value and valve authority as well as select the right valve for the application. It can also help you find a suitable actuator for the calculated valve. The valve sizing calculator is available on Regin's website www.regin.se.



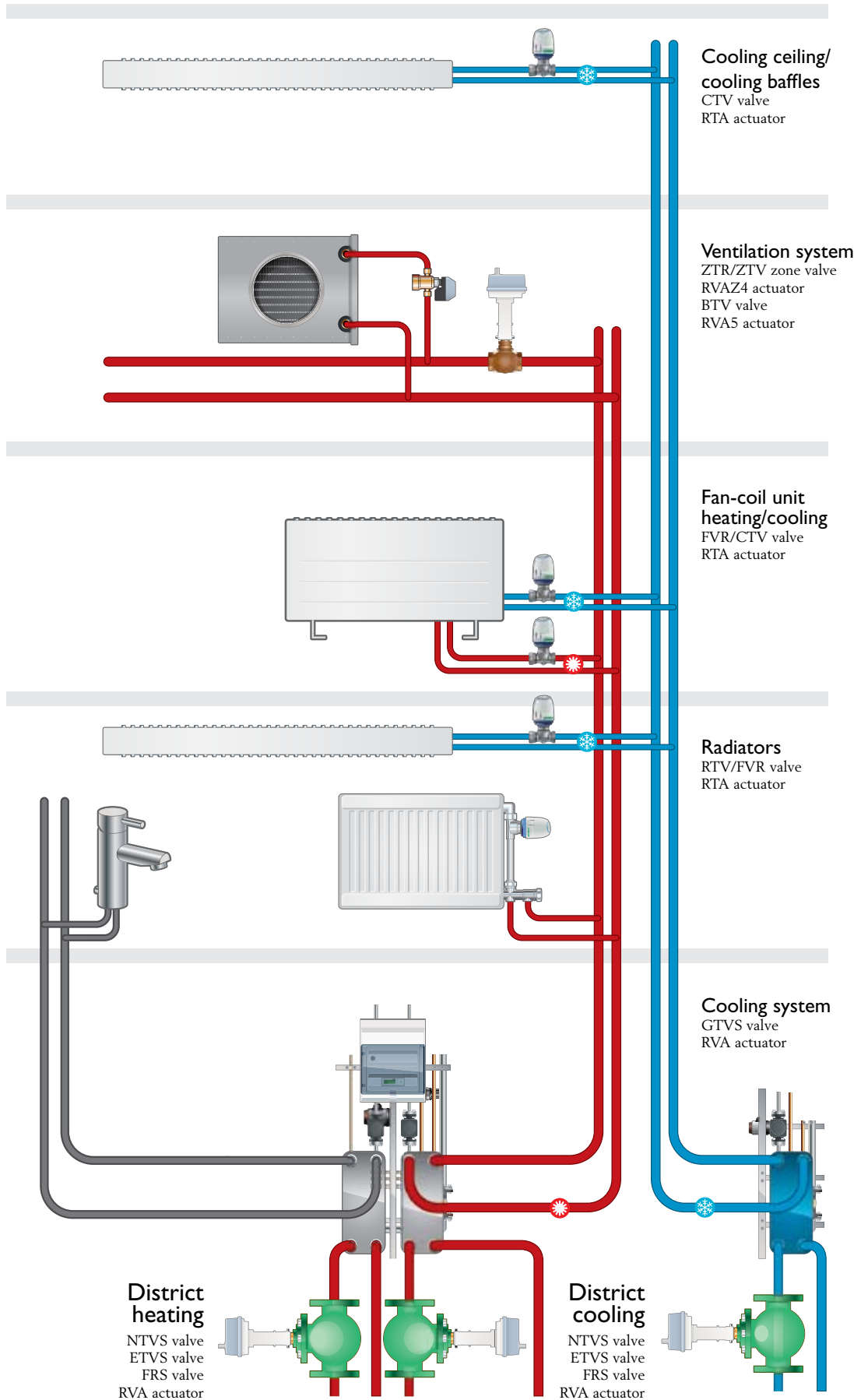
Complete solutions – valve with actuator

Regin can also offer you the actuators you need. If you want to use other actuator brands, we have a complete collection of suitable adapters.

Valves for Honeywell actuators

If you use Honeywell actuators, we have a special series of valves that are designed to fit the actuators.











Radiators, underfloor heating, fan-coil, chilled ceilings and ventilation systems

		RTV 2-way <i>Kvs:</i> 1.2 – 1.4 <i>DN:</i> 10 – 15		RTA – thermal actuators <i>Supply voltage:</i> 24 V AC/DC or 230 V AC <i>Control signal:</i> On/off or 0...10 V <i>Force:</i> 100 N
		FVR 2-way <i>Kvs:</i> 0.01...1.1 (adjustable) <i>DN:</i> 10 – 20		Adapters Adapters for valves of different brands: TA, Oventrop, Cazzaniga, MMA, Danfoss, Heimeier, etc.
		CTV 2-way For aftertreatment systems <i>Kvs:</i> 0.12 – 1.9 (adjustable) <i>DN:</i> 10 – 20		
		VTTV/VTTR/VTTB 2-, 3-way and 3-way (bypass) zone valves For control of cold/hot water in fan-coil or chilled beams applications <i>Kvs:</i> 0.25 – 6 <i>DN:</i> 15 – 20		
		ZTV/ZTR, ZTVB/ZTRB 2- and 3-way For individual room control and for example control of baffles/batteries, hot/cold water, fan convectors, and after-heaters/after-coolers <i>ZTV/ZTR:</i> <i>Kvs:</i> 0.25 – 7 <i>DN:</i> 15 – 25 <i>ZTVB/ZTRB:</i> <i>Kvs:</i> 8 – 20 <i>DN:</i> 25 – 40		RVAZ4 <i>Supply voltage:</i> 24 V AC/DC or 230 V AC <i>Control signal:</i> 3-point or 0...10 V <i>Force:</i> 400 N
		Valve with actuator DFCM 2- and 3-way <i>Kvs:</i> 3.2 – 10 <i>DN:</i> 15 – 32 <i>Supply voltage:</i> 230 V AC <i>Control signal:</i> On/off		









Heating, cooling and ventilation systems

	MVFL 2- and 3-way <i>Kvs:</i> 0.16 – 25 <i>DN:</i> 15 – 40 With thread, welded unions or flange		RVAZ4LI <i>Supply voltage:</i> 24 V AC/DC or 230 V AC <i>Control signal:</i> 3-point or 0...10 V <i>Force:</i> 400 N
	BTV 2-way <i>Kvs:</i> 0.6 – 39 <i>DN:</i> 15 – 50		RVA5 <i>Control signal:</i> 3-point or 0...10 V <i>Force:</i> 500 N <i>Stroke time:</i> 30 s (0...10 V) 60 s (3-point)
	GTVS/GTRS For cold and hot water, district heating systems, cooling systems and steam 2- and 3-way <i>Kvs:</i> 16 – 310 <i>DN:</i> 32 – 150		RVA <i>Supply voltage:</i> 24 V AC/DC or 230 V AC <i>Control signal:</i> 3-point or 0...10 V (24 V) 3-point only (230 V) <i>Force:</i> RVA5 500 N RVA10 1000 N RVA18 1800 N RVA25 2500 N


Heating, cooling and ventilation systems, domestic hot water

	MTVS/MTRS 2- and 3-way <i>Kvs:</i> 0.63 – 39 <i>DN:</i> 15 – 50		RVA5 <i>Control signal:</i> 3-point or 0...10 V <i>Force:</i> 500 N <i>Stroke time:</i> 30 s (0...10 V) 60 s (3-point)
	ETRS 3-way <i>Kvs:</i> 0.63 – 40 <i>DN:</i> 15 – 50		

Valves and actuators for district heating/cooling

		ETVS 2-way <i>Kvs:</i> 0.63 – 40 <i>DN:</i> 15 – 50		RVA <i>Supply voltage:</i> 24 V AC/DC or 230 V AC <i>Control signal:</i> 3-point or 0...10 V (24 V) 3-point only (230 V)
		NTVS* For cold and hot water, district heating systems, cooling systems and steam 2-way <i>Kvs:</i> 0.4 – 310 <i>DN:</i> 15 – 150		<i>Force:</i> RVA5 500 N RVA10 1000 N RVA18 1800 N RVA25 2500 N
		FRS For cold and hot water 2-way <i>Kvs:</i> 0.6 – 20 <i>DN:</i> 15 – 65 (Replaces TA's STL valves)		

Adapter kits

	For adaption of Regin's valves to actuators from Belimo, TAC Forta, Siemens and Controlli. Adapter and stem extension included. Intended for NTVS, GTRS/GTVS, ETVS/ETRS, MTVS/MTRS and FRS.
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*DIN standard



Everything you need for a complete system

Integrated systems with web solutions

The Regin System has everything you need to create integrated systems for building automation. Products that are included are, for example, EXOflex, a freely programmable controller with modular design, and EXOcompact, a range of freely programmable controllers for heating, cooling and zone control, etc. The Regin System also contains SCADA systems and different solutions for access via the Internet and integration with other systems.

Corrigo E

Corrigo E is a range of controllers for heating, domestic hot water, air handling, zone control and cooling. Corrigo E is available with communication (TCP/IP, Modbus, LON etc.) for integration into systems.

Regio

Regio is a range of room controllers for heating, cooling and ventilation etc. in different zones. Using Regio you can build up everything from stand-alone systems for one room and communicating systems for several rooms to freely programmable systems for a building with comprehensive SCADA.

Optigo

Optigo is a universal controller, which solves all basic control needs in a cost-effective way. Optigo is delivered with applications for ventilation systems, heating and domestic hot water systems as well as pressure, CO₂ and humidity.

Sensors and transmitters

Regin has a wide range of sensors and transmitters for temperature, pressure, CO₂, occupancy, air and humidity.



REGIN – THE CHALLENGER IN BUILDING AUTOMATION

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