



Conceptions and solutions for

- _ Hot Gas
- _ Flue Gas
- _ Process Gas
- _ Special applications

Quality without compromises and long-term experience:

Engineering for high demands and extreme conditions



Quality without compromise – from competent advice over a modern construction up to precise production – and know-how covering various branches have marked out our solutions for the modulation of hot gas, flue gas and process gas for about 20 years.

We are proud of our products and our reputation. Where other companies have resigned after a short time, our systems have still been working for many years with utmost precision, without causing expensive periods of stand-still, in in spite of conditions with extreme heat, highly corrosive surroundings and aggressive dust

We always find the best and individual solution for any kind of use and for any existing complete system. Our products are reliable, efficient, precise and very very durable.

....because perfect engineering is our obsession!

Always the best solution for any use:

Solid, durable, precise!



Either for pollution abatement facilities, steel works, power stations, garbage incineration works, cement factories or the chemical industry etc. – our dampers and slide gates ensure optimum density and precise function even in extreme conditions such as temperatures exceeding 1000°C and aggressive dust.

Due to the experience and knowledge gained from having more than 6000 dampers and slide gates operating all over the world in a different variety of applications, ranging in sizes, from DN 60 to DN 5800, RBU can offer its standard proven products in many cases, where other companies offer it as a custom solution.

We offer high quality standard and special constructions of:

- _air and hot gas dampers
- _modulation dampers as multiple-stage Louvre dampers
- _double shut-off dampers with seal air (according to TRD)
- _Double blade dampers (Tandem) with seal air (according to TRD)
- _Diverters (gas points)
- _Piston ring dampers
- _Emergency dampers
- _conversion of existing dampers, e.g. slide gates from manual to automatic operation
- _all kinds of shut-off gates in welded version

RBU solutions for the modulation of hot media:

Engineered to work perfectly in spite of heat, dust and highly-corrosive surrounding conditions!



RBU shut-off and modulation dampers are essential for optimum processing and an increased energy efficient process. Interfering factors are safely compensated and constant process parameters ensured even under extreme surrounding conditions.

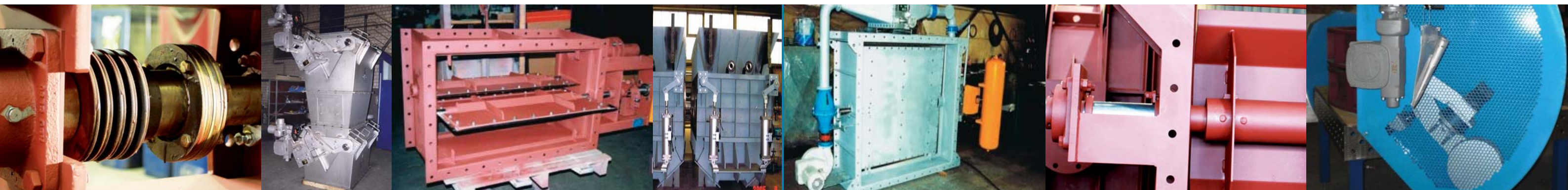
e.g. optimum process points in case of oxidation of toxic agents and an optimized time schedule for Safety Valves. Precision does not end in itself but is a precondition of reliability and optimized operation.

RBU dampers are constructed to withstand extreme burdens and therefore they differ basically from simple dampers which are just modified. The special merits of RBU dampers and slide gates are:

- _high quality special materials for high temperature use and corrosive surrounding conditions**
- _special sealing material and special dimensions developed by RBU**
- _solid stiffing of housing and modulation / sealing unit according to static and dynamic forces**
- _special driving shafts to ensure the compensation of torque and moments of flexion**
- _large-scale dimensioned external bearings, adjustable stuffing boxes and much more...**

RBU solutions for special use:

Creativity never comes off the shelf!



Where intelligent engineering and reliable modulation systems are required, we offer efficient and individual solutions which are extremely precise and durable.

We always find the perfect solution: even for the most unusual applications!

Our know-how grown during many years of work covering several branches and applications enables us to find intelligent, simple and efficient solutions.

RBU modulation dampers – with one or more blades – either with annular gap, for continuous modulation or with sealing rails for high density in closed position, depending on the requirements.

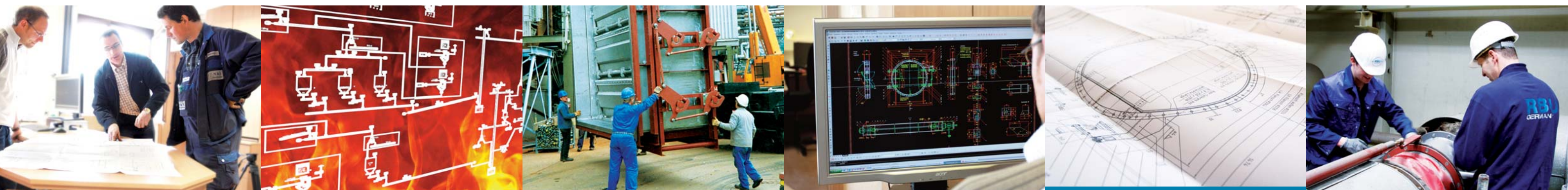
RBU emergency dampers – with self-releasing counterweight in case of emergency – under all conditions the damper closes/opens safely.

RBU double shut-off dampers with seal air station – inter-space warm air admission for overpressure – no emerging of flue gas guaranteed. With inertised air as an option.

Furthermore RBU supplies hot gas tube compensators as well as material slide gates for dust and bulk material adapted to customer requirements.

Service means partnership:

**We write Service in capital letters –
worldwide and from the beginning!**



RBU offers service from the beginning - each project starts with careful, detailed and competent information. Individual solutions brought into line with the process in question are part of our service understanding as well as close co-operation during the whole project.

Our service enables you to concentrate on your main business. We adapt the construction of our products to existing tube systems – only few modifications are necessary. This saves you time and money.

We understand each task as a challenge and use our know-how with utmost flexibility and in close contact with our customers, leading to individual, efficient and durable solutions.

A large number of satisfied customers all over the world – renowned large companies and innovative small companies are our spur and our verification.

Our service does not end with delivery: we assist you during assembly and first operation and with our continued support during the long-term use of our components and systems we ensure a maximum availability.

What may we do for you ?



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