

Industriearmaturen Industrial Valves

Mankenberg – Self-acting Control Valves Optimum and specific Solutions

From Standard up to customized Special Valves

Our Company

- » Independent and family-owned
- » More than 130 years of experience
- » Know How in a wide field of applications from oil producing to pharma industry
- » More than 6,000 active customers worldwide
- » Fast and reliable shipments

Our Quality Promise

- » Standard and special materials from steel up to titanium
- » CFD simulations and 3D geometries
- » Specific engineering
- » Acceptances and certificates acc. to individual requirements
- » Nearly all components from in-house production
- » Quality Made in Germany

"Please give me every opportunity to think and work for you!" Gustav Mankenberg, (1858-1945)

Competence and Solutions for self-acting Control Valves

PRESSURE CONTROL LEVEL CONTROL

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SERVICE

Comparing spring-operated Pressure Control Valves and their Tasks

Pressure Reducing Valves	DM
Outlet pressure control valves – reduce a higher, ofter varying inlet pressure to a constant and adjustable pre downstream of the valve.	า essure
Back Pressure Regulator Valves	UV
Inlet pressure control valves – limit / build up a consta adjustable pressure upstream of the valve.	ant
Pilot-operated Control Valves	RP
Their task depends on the selection of the pilot valve. Any task already mentioned in the previous or subseq product subgroups (pressure reducing valves, back pre regulators, flow controllers) can be realised. Thus i also possible to build a control valve with several func / pilot valves.	uent essure t is ctions
Differential Pressure Regulating Valves	DV
Regulation of the pressure depending on a second, no constant pressure without external measurement sens	on- sors.
Vacuum Breakers	VV
Vacuum limitation in vacuum systems and protection steam plants.	of
Vacuum Control Valves	VV
Regulation of the vacuum in pipelines, tanks and simil plants.	lar
Pressure Surge Relief Valves	SR
Reduction of dynamic pressure surges in the pipeline system.	
Flow Controllers	MR
Limitation of quantities or flow independently from in or outlet pressures without additional measuring and evaluation devices.	ılet

Safety Valves

Emergency valves: In the event of the system's maximum allowable pressure being exceeded, the surplus medium is blown off.

SV





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Comparing float-operated Level Control Valves and their Tasks



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Continuous Bleeding and Venting Valves EB

Air supply and release to and from systems and vessels at full operating pressure.

Start-up Bleeding and Venting Valves EB

Release of large air / gas quantities from systems or vessels at a small pressure difference.

Combined Bleeding and Venting Valves EB

A combination of a start-up and an operating venting valve suitable for start-up and continuous operation.

Steam Traps KA

Automatic discharge of arising condensate from steam or gases without heat loss.

Float Valves NV

Regulate the liquid level in a reservoir.

Liquid Separators AS

Automatic separation of liquids and condensate from gas and / or steam flows at operating pressure.

Gas Separators

Automatic separation of gases from liquid flows at operating pressure.



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Aspects for self-acting Control Valves which convince.

Aspect No. 1 – Safety

- » Proper functioning, even in the event of a power failure
- » Proven functionality based on more than one hundred years of experience
- » No risk regarding maloperation
- » Quick response behaviour of self-acting control valves
- » Insusceptibility to computer viruses

Aspect No. 2 – Costs

- » Low assembly and maintenance costs
- » No external energy supply required
- » Long operational lifespan with the proper selection of the valve

Aspect No. 3 – Assembly and Operation

- » Easy installation of the valves
- » Low net weight and compact design
- » Valves can be operated even with poor infrastructure
- » No cabling or updates required
- » Particularly sturdy and maintenance-friendly

Aspect No. 4 - Sustainability

- » Resource-saving thanks to independence from external energy
- » Long operational lifespan with the proper selection of the valve
- » Recyclability of the used materials

Please send us your enquiry and allow us to advise you.

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