

Product Portfolio 2021

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Our mission:

Certified quality assurance

First-class products and excellent service take top priority at KSB. To maintain this level of excellence, we have developed a modern quality management system with globally applicable guidelines. It is based on the Business Excellence model of the European Foundation for Quality Management, which already ensures improved quality management Europe-wide.

Our guidelines define uniform quality for all KSB locations and have helped us to optimise our manufacturing processes. The results are shorter delivery times and global availability of our products. These guidelines govern the way we act so comprehensively that even the competence of our consulting and the good value for money we offer are clearly stipulated. Like the 'Made in Germany' quality seal, we introduced internal certification as a sign of the highest quality: 'Made by KSB'.

Our five key goals:

- **Maximum customer satisfaction:** We do everything to fulfil our customers' wishes on time and in full.
- **Fostering quality awareness:** We put our quality commitment into daily practice – from executives to employees, whose qualifications and competence we foster through continuing training.
- **Prevention rather than cure:** We systematically analyse errors and prevent the causes.
- **Improvement in quality:** We continually optimise our processes in order to work more efficiently.
- **Involvement of suppliers:** We attach great importance to working together fairly and openly to achieve our shared goals.



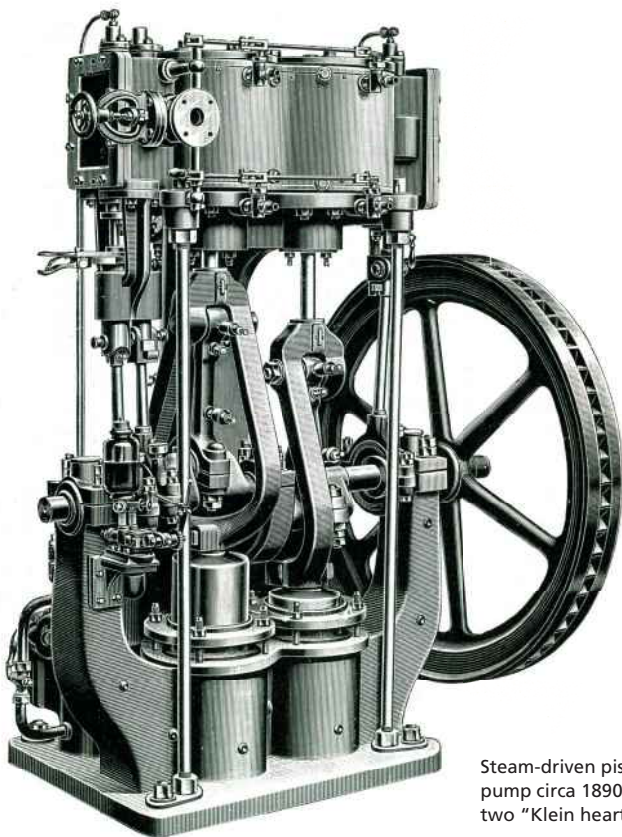
As a signatory to the United Nations Global Compact, KSB is committed to endorsing the ten principles of the international community in the areas of human rights, labour standards, environmental protection and anti-corruption.





A modern company – for 150

KSB is celebrating its 150th anniversary in 2021 under the motto “People. Passion. Performance.” What began with an idea has developed into a leading global player for pumps, valves and service.



Steam-driven piston pump circa 1890 with two “Klein hearts”

It all began with an idea

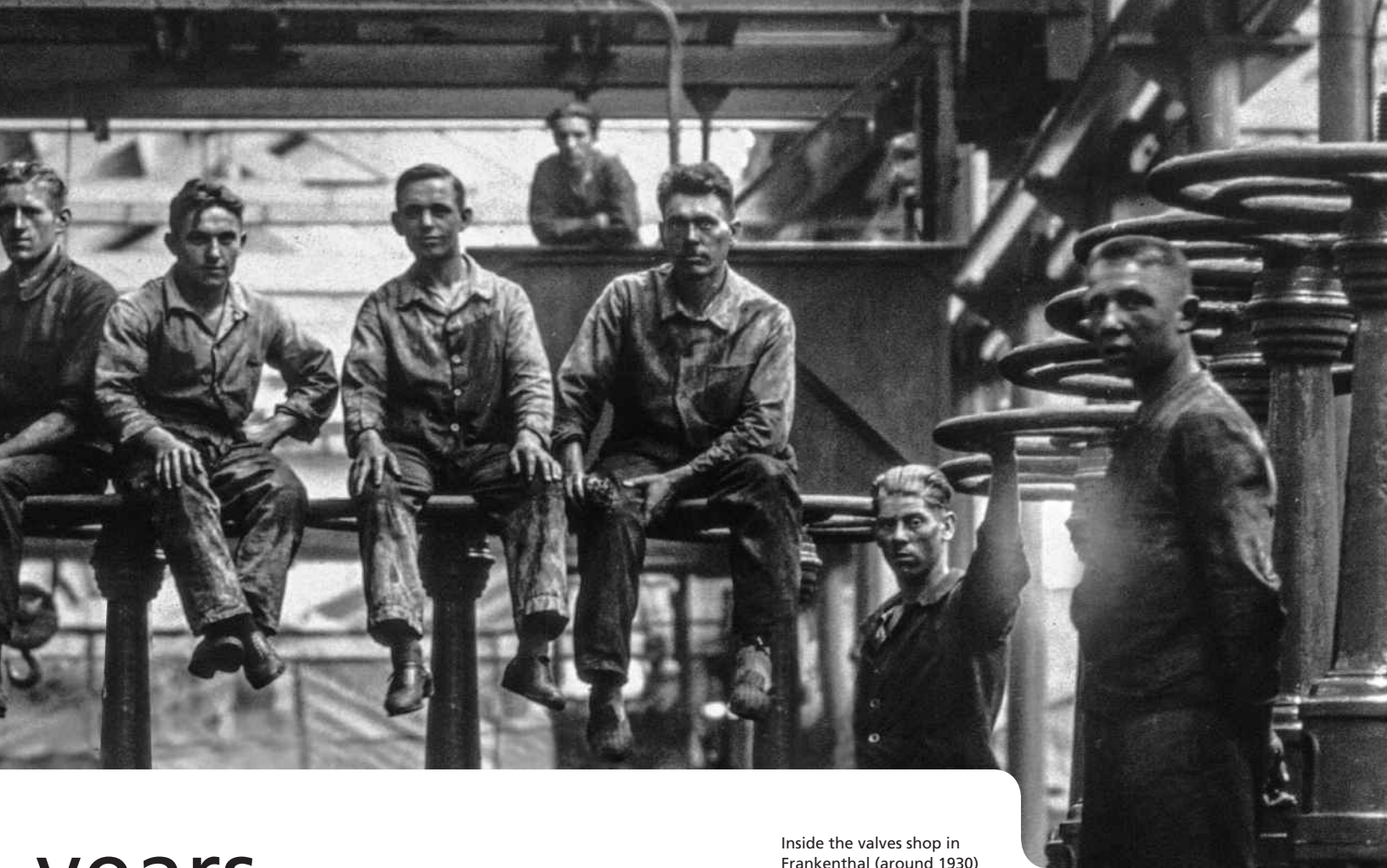
In 1871, mechanical engineer Johannes Klein received the patent for his boiler feed apparatus. In that same year, together with Friedrich Schanzlin and Jakob August Becker, he founded Frankenthaler Maschinen- & Armatur - Fabrik Klein, Schanzlin & Becker, employing twelve staff.

The company grew steadily, becoming an Aktiengesellschaft (public limited company) in 1887 and acquiring many companies in Germany.

The path to becoming a global group

In 1925, KSB founded its first company abroad. New companies in Argentina (1941), Pakistan (1953) and South Africa (1959) marked the beginning of the operations outside of Europe.

During the 1980s KSB took over further companies and expanded its range of products. In 1986, KSB acquired the leading French pump manufacturer Pompes Guinard, followed three years later by Amri, the second largest valve manufacturer in the world. The acquisition of the US company GIW Industries in 1988 signalled KSB’s entry to the slurry pump market. In 1991, KSB integrated Hallesche Pumpenwerke GmbH into its



Inside the valves shop in Frankenthal (around 1930)

years

operations, today a production site for water and waste water pumps.

To strengthen activities in key markets such as China, India and Brazil, many new companies and joint ventures were founded from the mid-1990s. In Europe additional companies such as DP Industries B.V. in the Netherlands joined the Group, further expanding KSB's portfolio of products.

Smart for the future

KSB helps customers to remain competitive with digital solutions geared towards the future. Smart products and services ensure greater transparency in systems and increase their efficiency.

Through its digital factory approach, KSB is increasingly switching its production processes to standardised and automatic operations. Already today, additive manufacturing enables spare parts to be rapidly produced using 3D printing processes.

150 years of experience

KSB is one of the world's leading suppliers of pumps, valves and related systems. Over 15,000 employees work in production, sales and service locations on all continents. The Group is represented with subsidiaries in more than 40 countries.

KSB's highly efficient and reliable products are used in applications where fluids need to be transported or reliably shut

off, for example in building services and industrial applications, in the chemical/petrochemical industries, in water supply and waste water treatment as well as in power plant processes and mining.

Around the globe, over 190 service workshops and some 3500 service specialists provide inspection, maintenance and repair services locally under the brand name KSB SupremeServ. Innovative technology that is the fruit of KSB's research and development activities forms the basis for the company's success.



Additive manufacturing enables KSB to produce complex components.

Smart services for maximum availability and efficiency

As a leading supplier of pumps and valves, we attach great importance to providing you with a comprehensive service of the highest quality. In fact, we believe it's so important that we even gave it a special name: KSB SupremeServ.

KSB SupremeServ is on hand to support you with classic and digital service and spare parts solutions over the entire product life cycle. Whether it's a KSB product, non-KSB product or other rotating equipment, you'll benefit from the reliable and sustainable operation of your system.

Applications:

- Water and Waste Water
- Industry
- Energy
- Building Services
- Mining

Wherever and whenever you need us, we're there for you – worldwide.



KSB Trademarks

Apart from the KSB umbrella brand, the following brand names identify quality products and services by the KSB Group:

amri

Butterfly valves

Under the AMRI brand, KSB sells its butterfly valves. They are used in building services, industry, water engineering and power generation applications. AMRI products include pneumatic, hydraulic and electric valve actuators as well as control systems.






SISTO®

Diaphragm valves

Under the SISTO brand, KSB sells its diaphragm valves. They perform shut-off duties in building services, industrial, water management and power generation applications. Under this brand name, KSB offers special valves for sterile processes including biotech applications.



General Information

Regional products	<p>Not all depicted products are available for sale in every country. Products only available in individual regions are indicated accordingly. Please contact your sales representative for details.</p>
Key to actuators	<p>In the Products section from page 25 the symbol  in conjunction with the relevant letter indicates the actuator type(s) available.</p> <ul style="list-style-type: none">  m = manual (lever, handwheel, etc.)  e = electric actuator  p = pneumatic actuator  h = hydraulic actuator
Trademark rights	<p>All trademarks or company logos shown in the catalogue are protected by trademark rights owned by KSB SE & Co. KGaA and/or a KSB Group company. The absence of the "®" symbol should not be interpreted to mean that the term is not a registered trademark.</p>
Product information	<p>For information as per chemicals Regulation (EC) No 1907/2006 (REACH), see http://www.ksb.com/reach.</p>

Valves

Design/Application	Type series	Page	Automation	Water Transport and Water Treatment	Industry	Energy Conversion	Building Services	Solids Transport	Pharmaceuticals/ Food
Soft-seated globe valves to DIN/EN	BOA-SuperCompact	25	■		■		■		
	BOA-Compact	25	■		■		■		
	BOA-Compact EKB	25	■	■	■		■		
	BOA-W	25	■		■		■		
Bellows-type globe valves to DIN/EN	BOA-H	26			■	■	■		
	BOA-H/HE/HV/HEV	26	■		■	■	■		
	NORI 40 ZXLBV/ZXSBV	26			■	■	■		
	NORI 40 ZXLB/ZXSB	26	■		■	■	■		
	NORI 40 ZYLB/ZYSB	26			■	■	■		
	BOACHEM-ZXAB/ZYAB	27	■		■	■	■		
Bellows-type globe valves to ANSI/ASME	ECOLINE GLB 150-600	27	■		■	■			■
	ECOLINE GLB 800	27	■		■	■			■
Globe valves to DIN/EN with gland packing	NORI 40 ZXL/ZXS	27			■	■	■		
	NORI 40 ZXL/ZXS	28	■		■	■	■		
	NORI 160 ZXL/ZXS	28			■	■			
	NORI 160 ZXL/ZXS	28	■		■	■			
	NORI 320 ZXSV	28	■		■	■			
	NORI 500 ZXSV	28	■		■	■			
	BOACHEM-ZXA	29			■		■		
	ECOLINE VA16	29			■		■		
Globe valves to ANSI/ASME with gland packing	ECOLINE GLC 150-600	29	■		■	■			
	ECOLINE GLF 150-600	29	■		■	■			
	ECOLINE GLF 800	29	■		■	■			
	ECOLINE GLV 150-600	30	■		■	■			
	SICCA 150-600 GLC	30	■		■	■			
	SICCA 900-2500 GLC	30	■		■	■			
	SICCA 150-4500 GLF	30	■		■	■			
Globe valves for nuclear applications	NUCA/-A/-ES, Types I, II, IV	30	■			■			
	ZXNB	31	■			■			
	ZXNVB	31				■			
	ZYNB/ZYN	31	■			■			
Control valves to DIN/EN	BOA-CVE C/CS/W/IMS/EKB/IMS EKB	31	■	■	■		■		
	BOA-CVE H	32	■		■	■	■		
	BOA-CVP H	32	■		■	■	■		
Balancing and shut-off valves to DIN/EN	BOA-Control/BOA-Control IMS	32	■	■	■		■		
	BOA-Control SAR	33			■		■		
Level control valves to DIN/EN	CONDA-VLC	33		■					
Pressure reducing valves to DIN/EN	CONDA-VRC	33		■					
Pressure sustaining valves to DIN/EN	CONDA-VSM	33		■					
Air valves to DIN/EN	BOAVENT-AVF	34		■					
	BOAVENT-SIF	34		■					
	BOAVENT-SVA	34		■					
	BOAVENT-SVF	34		■					
Vent valves for nuclear applications	SISTO-VentNA	35				■	■		
	SISTO-KRVNA	35				■			

Design/Application	Type series	Page	Automation	Water Transport and Water Treatment	Industry	Energy Conversion	Building Services	Solids Transport	Pharmaceuticals/ Food
Gate valves to DIN/EN	COBRA-SGP/SGO	35		■	■		■		
	COBRA-SMP	35		■	■		■		
	ECOLINE SP/SO	36		■	■		■		
	ECOLINE GT 40	36	■		■				
	STAAL 40 AKD/AKDS	36	■		■	■			
	STAAL 100 AKD/AKDS	36	■		■	■			
	AKG-A/AKGS-A	36	■		■	■			
	ZTS	37	■		■	■			
Gate valves to ANSI/ASME	ECOLINE GTB 800	37	■		■	■			■
	ECOLINE GTC 150-600	37	■		■	■			
	ECOLINE GTF 150-600	37	■		■	■			
	ECOLINE GTF 800	37	■		■	■			
	ECOLINE GTV 150-600	38	■		■	■			
	SICCA 150-600 GTC	38	■		■	■			
	SICCA 900-3600 GTC	38	■		■	■			
	SICCA 150-2500 GTF	38	■		■	■			
Gate valves for nuclear applications	ZTN	38	■			■			
Body pressure relief valve	UGS	39			■	■			
Knife gate valves to DIN/EN	HERA-BD	39	■	■	■		■	■	
	HERA-BDS	39	■	■	■			■	
Knife gate valves to ANSI/ASME	HERA-BHT	39	■	■	■			■	
	HERA-SH	40	■	■	■			■	
	BOA-RPL/RPL F-F	40		■			■		
Lift check valves to DIN/EN	BOA-RFV	40		■	■		■		
	BOA-RVK	40			■	■	■		
	BOA-R	40			■	■	■		
	NORI 40 RXL/RXS	41			■	■	■		
	NORI 160 RXL/RXS	41			■	■			
	RGS	41			■	■			
	BOACHEM-RXA	41			■		■		
	ECOLINE PTF 150-600	41			■	■			
Lift check valves to ANSI/ASME	ECOLINE PTF 800	42			■	■			
	SICCA 150-4500 PCF	42			■	■			
	NUCA-A/-ES, Type V	42				■			
Lift check valves for nuclear applications	RJN	42				■			
	RYN	42	■			■			
	ECOLINE WT/WTI	43			■		■		
Swing check valves to DIN/EN	STAAL 40 AKK/AKKS	43			■	■			
	STAAL 100 AKK/AKKS	43			■	■			
	AKR/AKRS	43			■	■			
	ZRS	43			■	■			
	SISTO-RSK/RSKS	44		■	■	■		■	
	SERIE 2000	44		■	■		■		
	ECOLINE SCC 150-600	44			■	■			
	ECOLINE SCF 150-600	44			■	■			
Swing check valves to ANSI/ASME	ECOLINE SCF 800	44			■	■			
	ECOLINE SCV 150-600	45			■	■			
	SICCA 150-600 SCC	45			■	■			
	SICCA 900-3600 SCC	45			■	■			
	SISTO-RSKNA	45				■			
	ZRN	45				■			
Swing check valves for nuclear applications									
Tilting disc check valves to DIN/EN	COBRA-TDC01/03	46		■	■	■			

Design/Application	Type series	Page	Automation	Water Transport and Water Treatment	Industry	Energy Conversion	Building Services	Solids Transport	Pharmaceuticals/ Food
Strainers to DIN/EN	BOA-S	46			■	■	■		
	NORI 40 FSL/FSS	46			■	■	■		
	BOACHEM-FSA	46			■		■		
Strainers to ANSI/ASME	ECOLINE FYC 150-600	47			■	■			
	ECOLINE FYF 800	47			■	■			
Centred-disc butterfly valves	BOAX-CBV13	47		■	■	■	■		
	BOAX-S/SF	47	■				■		
	BOAX-B	48	■	■	■		■		
	ISORIA 10/16	48	■	■	■	■		■	
	ISORIA 20/25	48	■	■	■	■	■		
	ISORIA 20 UL	48	■		■				
	MAMMOUTH	48	■	■	■	■			
	KE	49	■	■	■				
Double-offset butterfly valves	APORIS-DEB02	49		■	■	■			
	DANAIS 150	49	■	■	■	■	■	■	
	DANAIS MTII	49	■		■	■		■	
	DANAIS TBTII	50	■		■				
Triple-offset butterfly valves	TRIODIS 150	50	■		■	■			
	TRIODIS 300	50	■		■	■			
	TRIODIS 600	50	■		■	■			
Butterfly valves for nuclear applications	CLOSSIA	51	■			■			
Combined butterfly/check valves	DUALIS	51		■					
Single-piece ball valves	MP-CI/MP-II	51	■	■					
	PROFIN VT1	51		■	■		■		
Two-piece ball valves	ECOLINE BLT 150-300	52	■		■	■			■
	PROFIN VT2L	52		■	■		■		
Three-piece ball valves	ECOLINE BLC 1000	52	■		■	■			■
	PROFIN S13	52	■	■	■		■		
	PROFIN VT3	53		■	■		■		
Soft-seated diaphragm valves to DIN/EN	SISTO-KB	53	■	■	■	■		■	
	SISTO-10	53	■	■	■	■			
	SISTO-10M	53	■	■	■	■	■		
	SISTO-16	54	■	■	■	■			
	SISTO-16S	54	■	■	■	■			
	SISTO-16RGA	54		■			■		
	SISTO-16TWA	54	■	■			■		
	SISTO-20	54	■		■	■			■
	SISTO-C	55	■	■					■
Diaphragm valves for nuclear applications	SISTO-20NA	55	■			■			
	SISTO-DrainNA	55				■			
Feed water bypass valves	ZJSVM/RJSVM	55	■		■	■			
Expansion and anti-vibration joints	ECOLINE GE1/GE2/GE3	56			■		■		
	ECOLINE GE4	56			■		■		

Actuators

Design/Application	Type series	Page	Water Transport and Water Treatment	Industry	Energy Conversion	Building Services	Solids Transport	Pharmaceuticals/ Food
Levers	CR/CM	57	■	■	■	■		
	S/SR/SP	57	■	■	■	■		
Manual gearboxes	MN	57	■	■		■		
	MR	57	■	■	■	■	■	
Electric actuators	ACTELEC - AUMA	58	■	■	■	■		
	ACTELEC - BERNARD CONTROLS	58	■	■	■	■		
	SISTO-LAE	58	■	■	■	■	■	
Hydraulic actuators	HQ	58	■	■	■			
	ACTAIR NG	59	■	■	■			
Pneumatic actuators	DYNACTAIR NG	59	■	■	■			
	SISTO-LAD	59	■	■	■	■	■	
	SISTO-LAP	59	■	■	■	■	■	
	SISTO-C LAP	60						■
Control accessories	RMD	60	■	■	■	■		

KSB offers a wide range of actuators. Just contact our specialists.

Automation

Design/Application	Type series	Page	Water Transport and Water Treatment	Industry	Energy Conversion	Building Services	Solids Transport	Pharmaceuticals/ Food
Monitoring	AMTROBOX	61	■	■	■			
	AMTROBOX EEx ia	61	■	■	■			
	AMTROBOX ATEX Zone 22	61	■	■	■			
	AMTROBOX F	61	■		■	■		
	AMTROBOX M	61	■	■	■	■		
	AMTROBOX R	62	■	■	■			
	AMTROBOX R EEx ia	62	■	■	■			
ON/OFF valve controllers	AMTRONIC	62	■	■	■			
	AMTRONIC Ex ia	62	■	■	■			
Positioners	SMARTRONIC MA	63	■	■	■			
	SMARTRONIC AS-i	63	■	■	■			
Intelligent Positioners	SMARTRONIC PC	63	■	■	■			

Fluids handled

	NUCA/-A/-ES, Types I, II, IV ZYNB/ZYN ZXNB ZXNVB				BOA-CVE C/CS/W/IMS/EKB/IMS EKB BOA-CVE H BOA-CVP H			BOA-Control / BOA-Control IMS BOA-Control SAR		CONDA-VLC	CONDA-VRC	CONDA-VSM	BOAVENT-AVF BOAVENT-SVF BOAVENT-SIF BOAVENT-SVA	SISTO-VentNA SISTO-KRVNA	
Abrasive fluids															
Waste water with faeces															
Waste water without faeces															
Aggressive fluids															
Inorganic fluids															
Activated sludge															
Brackish water															
Service water															
Steam	■	■	■	■				■	■						
Distillate															
Explosive fluids															
Digested sludge															
Solids-laden fluids															
Solids (ore, sand, gravel, ash)															
Flammable fluids															
River, lake and groundwater															
Liquefied gas															
Fluids containing gas	■	■	■	■				■	■						
Gases	■	■	■	■				■	■						
Harmful fluids															
Toxic fluids	■	■	■	■											
High-temperature hot water	■	■	■	■				■	■						
Heating water								■	■						
Highly aggressive fluids															
Condensate															
Corrosive fluids															
Valuable fluids															
Fuels															
Cooling water	■	■	■	■				■	■						
Volatile fluids															
Fire-fighting water															
Solvents															
Seawater															
Fluids containing mineral oils															
Oils															
Organic fluids															
Polymerising/crystallising fluids															
Radioactive fluids	■	■	■	■											
Cleaning agents															
Raw sludge															
Lubricants															
Grey water										■	■	■	■	■	■
Brine															
Feed water								■	■						
Dipping paints															
Drinking water								■	■	■	■	■	■	■	■
Vacuum															
Thermal oils								■	■						
Wash water								■	■						

Fluids handled

	MP-CI/MP-II PROFIN VT1	ECOLINE BLT 150-300 PROFIN VT2L	ECOLINE BLC 1000 PROFIN S13 PROFIN VT3	SISTO-KB SISTO-10 SISTO-10M SISTO-16 SISTO-16S SISTO-16RGA SISTO-16TWA SISTO-20 SISTO-C	SISTO-20NA SISTO-DrainNA	ZJSVM/RJSVM	ECOLINE GE1/GE2/GE3 ECOLINE GE4
Abrasive fluids							
Waste water with faeces							
Waste water without faeces							
Aggressive fluids	■	■	■	■	■		
Inorganic fluids		■	■	■	■		
Activated sludge				■	■		
Brackish water				■	■		
Service water	■	■	■	■	■		
Steam					■	■	
Distillate				■	■		
Explosive fluids							
Digested sludge				■			
Solids-laden fluids				■			
Solids (ore, sand, gravel, ash)				■			
Flammable fluids	■		■	■			
River, lake and groundwater	■	■	■	■	■		■
Liquefied gas							
Fluids containing gas		■	■	■	■		
Gases	■	■	■	■	■		
Harmful fluids		■	■	■	■		
Toxic fluids		■	■	■	■		
High-temperature hot water	■	■	■	■	■		
Heating water	■		■		■	■	
Highly aggressive fluids		■	■		■		
Condensate		■	■	■	■		
Corrosive fluids	■	■	■	■	■		
Valuable fluids							
Fuels		■	■		■		
Cooling water	■	■	■	■	■		■
Volatile fluids				■	■		
Fire-fighting water	■	■	■	■	■		
Solvents			■	■	■		
Seawater				■	■		
Fluids containing mineral oils				■	■		
Oils	■	■	■	■	■		■
Organic fluids		■	■	■	■		
Polymerising/crystallising fluids				■	■		
Radioactive fluids					■		
Cleaning agents	■		■	■	■		
Raw sludge				■			
Lubricants		■	■	■	■		
Grey water				■	■		■
Brine				■	■		
Feed water	■	■	■	■	■	■	■
Dipping paints				■	■		
Drinking water	■	■	■	■	■		■
Vacuum				■	■		
Thermal oils		■	■	■			
Wash water	■	■	■	■	■		

Applications

	NUCA/-A/-ES, Types I, II, IV ZYNB/ZYN ZXNB ZXNVB	BOA-CVE C/CS/W/IMS/EKB/IMS EKB BOA-CVE H BOA-CVP H	BOA-Control / BOA-Control IMS BOA-Control SAR	CONDA-VLC	CONDA-VRC	CONDA-VSM	BOAVENT-AVF BOAVENT-SVF BOAVENT-SIF BOAVENT-SVA	SISTO-VentNA SISTO-KRVNA
Spray irrigation								
Mining								
General irrigation								
Chemical industry			■					
Pressure boosting			■					
Disposal								
Drainage								
Descaling units								
District heating								
Solids transport								
Fire-fighting systems								
Gas pipelines								
Gas storage facilities								
Maintaining groundwater levels								
Domestic water supply			■	■	■	■	■	■
HVAC systems			■	■	■	■	■	■
Homogenisation								
Industrial recirculation systems								
Nuclear power stations	■	■	■					■
Boiler feed applications			■					■
Boiler recirculation			■					
Waste water treatment plants			■					
Air-conditioning systems			■	■				
Condensate transport			■					
Fossil-fuelled power stations								
Cooling circuits			■					
Paint shops								
Food and beverage industry								
Seawater desalination / reverse osmosis								
Mixing								
Pulp and paper industry								
Petrochemical industry								
Pharmaceutical industry								
Pipelines and tank farms								
Refineries								
Flue gas desulphurisation								
Rainwater harvesting								
Recirculation								
Shipbuilding								
Sludge disposal								
Sludge processing								
Snow-making systems			■					
Swimming pools								
Keeping in suspension								
Thermal oil circulation			■	■				
Process engineering			■	■				
Heat recovery systems			■	■				
Hot-water heating systems			■	■				
Washing plants								
Water treatment				■	■	■	■	■
Water extraction								
Water supply			■	■	■	■	■	■
Sugar industry			■					

Applications

	RG5 BOACHEM-RXA	ECOLINE PTF 150-600 ECOLINE PTF 800 SICCA 150-4500 PCF	NUCA/-A/-E5, Type V RJN RYN	ECOLINE WT/WTI STAAL 40 AKK/AKKS STAAL 100 AKK/AKKS AKR/AKRS ZRS SISTO-RSK/RSKS SERIE 2000	ECOLINE SCC 150-600 ECOLINE SCF 150-600 ECOLINE SCF 800 ECOLINE SCV 150-600 SICCA 150-600 SCC SICCA 900-3600 SCC	SISTO-RSKNA ZRN	COBRA-TDC01/03
Spray irrigation							
Mining	■						
General irrigation		■					
Chemical industry	■						
Pressure boosting							
Disposal							
Drainage							
Descaling units	■						
District heating				■			
Solids transport							
Fire-fighting systems							
Gas pipelines							
Gas storage facilities							
Maintaining groundwater levels							
Domestic water supply							
HVAC systems							
Homogenisation							
Industrial recirculation systems							
Nuclear power stations	■		■	■		■	■
Boiler feed applications	■						
Boiler recirculation	■						
Waste water treatment plants							
Air-conditioning systems							
Condensate transport							
Fossil-fuelled power stations	■						
Cooling circuits							
Paint shops							
Food and beverage industry							
Seawater desalination / reverse osmosis							
Mixing							
Pulp and paper industry	■						
Petrochemical industry	■						
Pharmaceutical industry							
Pipelines and tank farms							
Refineries							
Flue gas desulphurisation							
Rainwater harvesting							
Recirculation							
Shipbuilding	■						
Sludge disposal							
Sludge processing							
Snow-making systems							
Swimming pools							
Keeping in suspension							
Thermal oil circulation							
Process engineering	■						
Heat recovery systems							
Hot-water heating systems							
Washing plants							
Water treatment							
Water extraction							
Water supply							
Sugar industry	■						

Soft-seated globe valves to DIN/EN

BOA-SuperCompact



PN	6/10/16
DN	20 - 200
T [°C]	≥ -10 - ≤ +120

Description
Globe valve to DIN/EN with wafer-type body, super-compact DN face-to-face length to EN 558/94, slanted seat design with vertical bonnet, with flange alignment holes for centring, dead-end service and downstream dismantling; single-piece body, insulating cap with anti-condensation feature as standard, position indicator, locking device, travel stop, soft main and back seat; maintenance-free, full insulation possible.

Applications

Hot-water heating systems up to 120 °C. Air-conditioning systems. Not suitable for fluids containing mineral oils, steam or fluids liable to attack EPDM and grey cast iron. Other fluids on request.



m, e

<http://shop.ksb.com/catalog/k0/en/product/E5000312>

BOA-Compact



PN	6/16
DN	15 - 200
T [°C]	≥ -10 - ≤ +120

Description
Globe valve to DIN/EN with flanged ends, short face-to-face length to EN 558/14, slanted seat design with vertical bonnet, single-piece body, EPDM-encapsulated throttling plug, soft main and back seat, position indicator, locking device, travel stop, insulating cap with anti-condensation feature; maintenance-free, full insulation possible.

Applications

Hot-water heating systems up to 120 °C. Air-conditioning systems. Not suitable for fluids containing mineral oils, steam or fluids liable to attack EPDM and cast iron. Other fluids on request.



m, e

<http://shop.ksb.com/catalog/k0/en/product/E5000310>

BOA-Compact EKB



PN	10/16
DN	15 - 200
T [°C]	≥ -10 - ≤ +80

Description
Globe valve to DIN/EN with flanged ends, compact face-to-face length for drinking water supply systems, with electrostatic plastic coating inside and outside, slanted seat design with vertical bonnet, EPDM-encapsulated throttling plug, single-piece body, position indicator, locking device, travel stop, soft main and back seat; maintenance-free, (PN 10 DVGW-approved).

Applications

Water supply systems, drinking water, air-conditioning systems. Cooling circuits. Suitable for installation in copper pipes as per installation instructions (operating manual). Not suitable for fluids containing mineral oils, steam or fluids liable to attack EPDM and the electrostatic plastic coating. Other fluids on request.



m, e

<http://shop.ksb.com/catalog/k0/en/product/E5000311>

BOA-W



PN	6/16
DN	15 - 200
T [°C]	≥ -10 - ≤ +120

Description
Globe valve to DIN/EN with flanged ends, standard face-to-face length to EN 558/1, slanted seat design with vertical bonnet, single-piece body, EPDM-encapsulated throttling plug, soft main and back seat, position indicator, locking device, travel stop, insulating cap with anti-condensation feature; maintenance-free; full insulation possible.

Applications

Hot-water heating systems up to 120 °C. Air-conditioning systems. Not suitable for fluids containing mineral oils, steam or fluids liable to attack EPDM and grey cast iron. Other fluids on request.



m, e

<http://shop.ksb.com/catalog/k0/en/product/E5000309>

Bellows-type globe valves to DIN/EN

BOA-H



PN	16/25
DN	15 - 350
T [°C]	≥ -10 - ≤ +350

Description
Bellows-type globe valve to DIN/EN with flanged ends, with on/off disc or throttling plug, standard position indicator with colour coding for identification of valve design, replaceable valve disc; bellows protected when valve is in fully open position; seat/disc interface made of wear and corrosion resistant chrome steel or chrome nickel steel.

Applications
Hot-water heating systems, high-temperature hot water systems, cooling circuits, heat transfer systems, general steam applications in building services and industry. Other fluids on request.



m

<http://shop.ksb.com/catalog/k0/en/product/ES000328>

BOA-H/HE/HV/HEV



PN	25/40
DN	10 - 350
T [°C]	≥ -10 - ≤ +450

Description
Bellows-type globe valve to DIN/EN with flanged ends (BOA-H and BOA-HV), butt weld ends or socket weld ends (BOA-HE and BOA-HEV), with on/off disc or throttling plug, seat/disc interface made of wear and corrosion resistant chrome steel or chrome nickel steel.

Applications
Industrial plants, building services, power stations and shipbuilding. For water, steam, thermal oils, gas and other non-aggressive fluids. Other fluids on request.



m, e, p

<http://shop.ksb.com/catalog/k0/en/product/ES000329>

NORI 40 ZXLBV/ZXSBV



PN	25/40
DN	10 - 200
T [°C]	≥ -10 - ≤ +450

Description
Bellows-type globe valve to DIN/EN with flanged ends (ZXLBV), butt weld ends or socket weld ends (ZXSBV), tapered on/off disc or throttling plug, two-piece stem, integrated position indicator, seat/disc interface made of wear and corrosion resistant chrome steel or chrome nickel steel.

Applications
Industrial plants, power stations, process engineering and shipbuilding. For water, steam, thermal oils, gas and other non-aggressive fluids. Other fluids on request.



m

<http://shop.ksb.com/catalog/k0/en/product/ES000334>

NORI 40 ZXLB/ZXSB



PN	25/40
DN	10 - 200
T [°C]	≥ -10 - ≤ +450

Description
Bellows-type globe valve to DIN/EN with flanged ends (ZXLB), butt weld ends or socket weld ends (ZXSB), replaceable tapered on/off disc or throttling plug, two-piece stem, integrated position indicator, seat/disc interface made of wear and corrosion resistant chrome steel or chrome nickel steel.

Applications
Industrial plants, power stations, process engineering and shipbuilding. For water, steam, thermal oils, gas and other non-aggressive fluids. Other fluids on request.



m, e, p

<http://shop.ksb.com/catalog/k0/en/product/ES000332>

NORI 40 ZYLB/ZYSB



PN	25/40
DN	15 - 300
T [°C]	≥ -10 - ≤ +450

Description
Bellows-type globe valve to DIN/EN with flanged ends (ZYLB) or butt weld ends (ZYSB), Y-valve, with replaceable throttling plug (up to DN 100) or on/off disc (DN 125 and above), single-piece non-rotating stem, position indicator, travel stop, locking device; seat/disc interface made of wear and corrosion resistant chrome steel or chrome nickel steel.

Applications
Heat transfer systems, industrial plants, building services and shipbuilding. For thermal oils, water, steam, gas and other non-aggressive fluids. Other fluids on request.



m

<http://shop.ksb.com/catalog/k0/en/product/ES000521>

BOACHEM-ZXAB/ZYAB



PN	10 - 40
DN	15 - 400
T [°C]	≥ -10 - ≤ +400

Description

Bellows-type globe valve to DIN/EN with flanged ends, body made of stainless steel, with replaceable on/off disc or throttling plug.

Applications

Process engineering, industry, building services, food and beverage industries, for aggressive fluids. Other fluids on request.


<http://shop.ksb.com/catalog/k0/en/product/ES000337>

Bellows-type globe valves to ANSI/ASME

ECOLINE GLB 150-600



Class	150 - 600
NPS [inch]	2 - 12
T [°C]	≥ 0 - ≤ +427

Description

Globe valve to ANSI/ASME with flanged ends, cast steel/stainless steel body, trim and bellows made of stainless steel, with bolted bonnet, outside screw and yoke, sealed by graphite gland packing and metal bellows, stainless steel/graphite gaskets.

Applications

Petrochemical plants, chemical plants, power stations, process engineering and general industrial applications; for thermal oil, steam, toxic and volatile fluids. Other fluids on request.


<http://shop.ksb.com/catalog/k0/en/product/ES000901>

ECOLINE GLB 800



Class	150 - 800
NPS [inch]	½ - 2
T [°C]	≥ 0 - ≤ +427

Description

Globe valve to ANSI/ASME with threaded sockets (NPT) or socket weld ends (SW), cast steel/stainless steel body, trim and bellows made of stainless steel, outside screw and yoke, sealed by graphite gland packing and metal bellows, stainless steel/graphite gaskets.

Applications

Petrochemical plants, chemical plants, power stations, process engineering and general industrial applications; for thermal oil, steam, toxic and volatile fluids. Other fluids on request.


<http://shop.ksb.com/catalog/k0/en/product/ES000902>

Globe valves to DIN/EN with gland packing

NORI 40 ZXL/ZXS



PN	25/40
DN	10 - 400
T [°C]	≥ -10 - ≤ +450

Description

Globe valve to DIN/EN with flanged ends (ZXL), butt weld ends or socket weld ends (ZXS), with gland packing, with on/off disc or throttling plug, rotating stem, seat/disc interface made of wear and corrosion resistant chrome steel or chrome nickel steel.

Applications

Industrial plants, power stations, process engineering and shipbuilding. For water and steam. Other non-aggressive fluids such as gas or oil on request.


<http://shop.ksb.com/catalog/k0/en/product/ES000339>

NORI 40 ZXLF/ZXSF



PN 25/40
DN 10 - 200
T [°C] $\geq -10 - \leq +450$

Description
Globe valve to DIN/EN with flanged ends (ZXLF), butt weld ends or socket weld ends (ZXSF), with gland packing, with on/off disc or throttling plug, non-rotating stem, integrated position indicator, seat/disc interface made of wear and corrosion resistant chrome steel or chrome nickel steel.

Applications
Industrial plants, power stations, process engineering and shipbuilding. For water and steam. Other non-aggressive fluids such as gas or oil on request.



m, e, p

<http://shop.ksb.com/catalog/k0/en/product/ES000341>

NORI 160 ZXL/ZXS



PN 63 - 160
DN 10 - 200
T [°C] $\geq -10 - \leq +550$

Description
Globe valve to DIN/EN with flanged ends (ZXL), butt weld ends or socket weld ends (ZXS), with gland packing, with on/off disc or throttling plug, rotating stem, seat/disc interface made of wear and corrosion resistant 17 % chrome steel or Stellite.

Applications
Industrial plants, power stations, process engineering and shipbuilding. For water and steam. Other non-aggressive fluids such as gas or oil on request.



m

<http://shop.ksb.com/catalog/k0/en/product/ES000343>

NORI 160 ZXLF/ZXSF



PN 63 - 160
DN 10 - 200
T [°C] $\geq -10 - \leq +550$

Description
Globe valve to DIN/EN with flanged ends (ZXLF), butt weld ends or socket weld ends (ZXSF), with gland packing, with on/off disc or throttling plug, non-rotating stem, integrated position indicator, seat/disc interface made of wear and corrosion resistant 17 % chrome steel or Stellite.

Applications
Industrial plants, power stations, process engineering and shipbuilding. For water and steam. Other non-aggressive fluids such as gas or oil on request.



m, e, p

<http://shop.ksb.com/catalog/k0/en/product/ES000345>

NORI 320 ZXSV



PN 250 - 320
DN 10 - 50
T [°C] $\geq -10 - \leq +580$

Description
Globe valve to DIN/EN with flanged, butt weld or socket weld ends, gland packing, throttling plug, non-rotating stem, bayonet-type body/yoke connection, integrated position indicator, seat/disc interface made of Stellite.

Applications
Industrial plants, power stations, process engineering and shipbuilding. For water and steam. Other non-aggressive fluids such as gas or oil on request.



m, e, p

<http://shop.ksb.com/catalog/k0/en/product/ES000347>

NORI 500 ZXSV



PN 250 - 500
DN 10 - 65
T [°C] $\geq -10 - \leq +650$

Description
Globe valve to DIN/EN with butt weld or socket weld ends, gland packing, throttling plug, non-rotating stem, bayonet-type body/yoke connection, integrated position indicator, seat/disc interface made of Stellite.

Applications
Industrial plants, power stations, process engineering and shipbuilding. For water and steam. Other non-aggressive fluids such as gas or oil on request.



m, e, p

<http://shop.ksb.com/catalog/k0/en/product/ES000350>

BOACHEM-ZXA



PN	10 - 40
DN	15 - 400
T [°C]	≥ -10 - ≤ +400

Description

Globe valve to DIN/EN with flanged ends, body made of stainless steel, gland packing, rotating stem, with on/off disc or throttling plug.

Applications

Process engineering, industry, building services, food and beverage industries, for aggressive fluids. Other fluids on request.



m

<http://shop.ksb.com/catalog/k0/en/product/E5000354>

ECOLINE VA16



PN	16
DN	15 - 250
T [°C]	≥ -10 - ≤ +300

Description

Globe valve to DIN/EN with flanged ends, body made of cast iron, with gland packing, rotating stem, with on/off disc or throttling plug.

Applications

District heating, domestic water supply, air-conditioning systems, cooling circuits, high-temperature hot water heating systems, water supply.

m, e

Globe valves to ANSI/ASME with gland packing

ECOLINE GLC 150-600



Class	150 - 600
NPS [inch]	2 - 10
T [°C]	≥ 0 - ≤ +649

Description

Globe valve to ANSI/ASME with flanged ends, cast steel A216 WCB, Trim 8 (Stellite/13 % chrome steel) for Class 150/300/600, Trim 5 (Stellite/Stellite) for Class 600, with bolted bonnet, outside screw and yoke, graphite gland packing, stainless steel/graphite gaskets.

Applications

Refineries, power stations, process engineering and general industrial applications; water, steam, oil, gas. Other fluids on request.



m, e

<http://shop.ksb.com/catalog/k0/en/product/E5000775>

ECOLINE GLF 150-600



Class	150 - 600
NPS [inch]	½ - 2
T [°C]	≥ 0 - ≤ +816

Description

Globe valve to ANSI/ASME with flanged ends, forged steel A105, Trim 8 (Stellite/13 % chrome steel), with bolted bonnet, outside screw and yoke, graphite gland packing, stainless steel/graphite gaskets, reduced bore.

Applications

Industrial plants, power stations, process engineering, refineries, oil and marine applications; for water, steam, gas, oil and other non-aggressive fluids.



m, e

<http://shop.ksb.com/catalog/k0/en/product/E5000426>

ECOLINE GLF 800



Class	800
NPS [inch]	½ - 2
T [°C]	≥ 0 - ≤ +593

Description

Globe valve to ANSI/ASME with threaded sockets (NPT), butt weld ends (BW) or socket weld ends (SW), Trim 8 (Stellite/13 % chrome steel), with bolted bonnet, outside screw and yoke, graphite gland packing, stainless steel/graphite gaskets, available in carbon steel and alloy steel.

Applications

Industrial plants, power stations, process engineering, refineries, oil and marine applications; for water, steam, gas, oil and other non-aggressive fluids.



m, e

<http://shop.ksb.com/catalog/k0/en/product/E5000796>

ECOLINE GLV 150-600



Class 150 - 600
NPS [inch] 2 - 12
T [°C] $\geq -29 - \leq +427$

Description
Globe valve to ANSI/ASME with flanged ends, cast steel A351 CF8/CF8M, Trim 2 (304/304) and Trim 10 (316/316) for Class 150/300/600, with bolted bonnet, outside screw and yoke, integral seat, graphite gland packing, stainless steel/graphite gaskets.

Applications

Fine chemicals, food industry, general industry. For water, steam, gas and other fluids. Other fluids on request.



m, e

<http://shop.ksb.com/catalog/k0/en/product/ES000584>

SICCA 150-600 GLC



Class 150 - 600
NPS [inch] 2 - 10
T [°C] $\geq 0 - \leq +593$

Description
Globe valve to ANSI/ASME with flanged or butt weld ends, bolted bonnet, outside screw and yoke. Rotating rising stem, Stellite hard-faced seat/disc interface made of 13 % chrome steel, with graphite gasket and gland packing, available in carbon steel, low-alloy steel and stainless steel.

Applications

Refineries, power stations, general industry and process engineering. For water, steam, oil, gas and non-aggressive fluids. Other fluids on request.



m, e

<http://shop.ksb.com/catalog/k0/en/product/ES000484>

SICCA 900-2500 GLC



Class 900 - 2500
NPS [inch] 2 - 8
T [°C] $\geq 0 - \leq +650$

Description
Globe valve to ANSI/ASME with butt weld ends, Y-pattern, pressure seal design, outside screw and yoke, rising stem and non-rising handwheel, Stellite hard-faced seat/disc interface and back seat, with graphite gasket and gland packing. Available in carbon steel and alloy steel.

Applications

Power stations, general industry and process engineering. For water, steam, oil, gas and non-aggressive fluids. Other fluids on request.



m, e

<http://shop.ksb.com/catalog/k0/en/product/ES000485>

SICCA 150-4500 GLF



Class 150 - 4500
NPS [inch] ¼ - 2½
T [°C] $\geq 0 - \leq +816$

Description
Globe valve to ANSI/ASME with NPT (F) threaded ends or socket weld ends, with integral flange and bolted bonnet (Class 800) or welded bonnet (Class 1500/2500/4500), outside screw and yoke, Stellite hard-faced body seat, disc seating face made of Stellite hard-faced 13 % chrome steel, with graphite gaskets and gland packing. Available in carbon steel and alloy steel.

Applications

Refineries, power stations, general industry and process engineering. For water, steam, oil, gas and non-aggressive fluids. Other fluids on request.



m, e

<http://shop.ksb.com/catalog/k0/en/product/ES000480>

Globe valves for nuclear applications

NUCA/-A/-ES, Types I, II, IV



PN ≤ 320
DN 10 - 50
T [°C] $\geq -29 - \leq +365$

Description
Globe valve with butt weld or socket weld ends, for nuclear applications, with gland packing or bellows, replaceable seat (NUCA-ES), straight-way pattern, made of steel, stainless steel or nickel.

Applications

Reactor cooling, moderator, safety feed, feed water, live steam and cleaning systems.



m, e, p

<http://shop.ksb.com/catalog/k0/en/product/ES000452>

ZXNB



PN	≤ 210
DN	65 - 300
T [°C]	≥ -29 - ≤ +365

Description
Bellows-type globe valve with butt weld ends, for nuclear applications with safety-related requirements, in straight-way or angle pattern, or as a two-way valve, made of steel or stainless steel.

Applications
Reactor cooling, moderator, safety feed, feed water, live steam and cleaning systems.



m, e, p

<http://shop.ksb.com/catalog/k0/en/product/E5000458>

ZXNVB



PN	≤ 210
DN	4 - 25
T [°C]	≥ -29 - ≤ +365

Description
Bellows-type globe valve with butt weld or socket weld ends, for nuclear applications, with gland packing or bellows, straight-way pattern, made of steel or stainless steel.

Applications
Reactor cooling, moderator, safety feed, feed water, live steam and cleaning systems.



m

<http://shop.ksb.com/catalog/k0/en/product/E5000457>

ZYNB/ZYN



PN	≤ 62
DN	300 - 400
T [°C]	≥ -29 - ≤ +365

Description
Globe valve with butt weld ends, for nuclear applications with safety-related requirements, with gland packing or bellows, Y-valve, made of cast stainless steel.

Applications
Residual heat removal systems in nuclear applications.



e

<http://shop.ksb.com/catalog/k0/en/product/E5000331>

Control valves to DIN/EN

BOA-CVE C/CS/W/IMS/EKB/IMS EKB



PN	6/10/16
DN	15 - 200
T [°C]	≥ -10 - ≤ +120

Description
Control valve to DIN/EN based on standard type series BOA-Compact, BOA-SuperCompact, BOA-W, BOA-Compact EKB, BOA-Compact IMS EKB, BOA-Control IMS and BOA-Control IMS EKB, bonnetless pressure-retaining body, soft-seated. Leakage rate selectable from 0.05 % to drop-tight, Kvs values between 6.3 and 700 m³/h and closing pressures of up to 16 bar. With intelligent microprocessor-controlled and pre-set electric actuators providing actuating forces from 1000 N to 14,000 N; electronic configuration of flow characteristic, Kvs value, actuating signal and actuating time using PC tool or manual parameterisation unit. Customised configuration can be implemented at the KSB factory on request.

Applications
Hot-water heating systems up to 120 °C. Ventilation and air-conditioning systems. Water supply systems, drinking water. Not suitable for fluids containing mineral oils, steam or fluids liable to attack EPDM and uncoated cast iron. Other fluids on request.



e

<http://shop.ksb.com/catalog/k0/en/product/E5000326>

BOA-CVE H



PN	16/25/40
DN	15 - 200
T [°C]	≥ -10 - ≤ +450

Description

Service-friendly control valve to DIN/EN with flanged ends, either with linear or equal-percentage control characteristic at Kvs values of 0.1 to 630 m³/h and closing pressures of up to 40 bar; all internal parts are easy to replace without special tools, including the reversible seat; noise level reduced by standard two-stage pressure reduction combining a parabolic plug and multi-hole cage; with electric actuator.

Applications

General industrial facilities, process engineering, plant engineering, cooling circuits, heating systems.



e

<http://shop.ksb.com/catalog/k0/en/product/E5000772>

BOA-CVP H



PN	16/25/40
DN	15 - 200
T [°C]	≥ -10 - ≤ +450

Description

Service-friendly control valve to DIN/EN with flanged ends, either with linear or equal-percentage control characteristic at Kvs values of 0.1 to 630 m³/h and closing pressures of up to 40 bar; all internal parts are easy to replace without special tools, including the reversible seat; noise level reduced by standard two-stage pressure reduction combining a parabolic plug and multi-hole cage; with pneumatic actuator.

Applications

General industrial facilities, process engineering, plant engineering, cooling circuits, heating systems.



p

<http://shop.ksb.com/catalog/k0/en/product/E5000662>

Balancing and shut-off valves to DIN/EN

BOA-Control/BOA-Control IMS



PN	16
DN	15 - 350
T [°C]	≥ -10 - ≤ +120

Description**BOA-Control IMS:**

Balancing valve to DIN/EN with flanged ends, bonnetless, with throttling plug, scaled position indicator, travel stop and insulating cap with anti-condensation feature, maintenance-free; full insulation possible; suitable for measuring flow rate with ultrasonic sensors and for temperature measurement, sensors not in contact with fluid handled, mobile measurements in combination with BOATRONIC MS measuring computer, permanent measurement set-up with BOATRONIC MS-420 measuring computer, constant accuracy independent of differential pressures. Also available with electrostatic plastic coating and DVGW-certified for drinking water (BOA-Control EKB and BOA-Control IMS EKB; up to DN 200).

BOA-Control:

Balancing valve to DIN/EN with flanged ends, bonnetless, with throttling plug, scaled position indicator, travel stop and insulating cap with anti-condensation feature, maintenance-free; full insulation possible; suitable for measuring flow rate with ultrasonic sensors and for temperature measurement, sensors not in contact with fluid handled, mobile measurements in combination with BOATRONIC MS measuring computer, constant accuracy independent of differential pressures. Also available with electrostatic plastic coating and DVGW-certified for drinking water (BOA-Control EKB; up to DN 200).

Applications

Hot-water heating systems up to 120 °C (BOA-Control and BOA-Control IMS), air-conditioning systems and cooling systems, and for permanent measurement set-ups (BOA-Control IMS), drinking water systems and industrial cooling circuits (EKB model). Not suitable for fluids containing mineral oils, steam or fluids liable to attack EPDM and uncoated grey cast iron.



m, e

<http://shop.ksb.com/catalog/k0/en/product/E5000323>

BOA-Control SAR



PN	16
DN	10 - 50
T [°C]	≥ -25 - ≤ +150

Description
Balancing valve to DIN/EN with female screwed ends; differential pressure measurement for flow metering with PFM 2000 measuring computer; digital travel position indicator with 40 settings, locking device and travel stop, maintenance-free.

Applications
Hot-water heating systems up to 150 °C. Air-conditioning systems. Other fluids on request.



<http://shop.ksb.com/catalog/k0/en/product/E5000324>

Level control valves to DIN/EN

CONDA-VLC



PN	16
DN	25 - 300
T [°C]	≥ -10 - ≤ +70

Description
Float valve to DIN/EN for controlling maximum and minimum liquid levels in tanks, with flanged ends (DN 40-300) or threaded ends (DN 25-32), body made of nodular cast iron; valve disc, stem, float and seat made of stainless steel.

Applications
Water supply systems, industry and building services. For controlling water levels.



<http://shop.ksb.com/catalog/k0/en/product/E5000835>

Pressure reducing valves to DIN/EN

CONDA-VRC



PN	16/25/40/63
DN	15 - 150
T [°C]	≥ -10 - ≤ +70

Description
Direct-acting pressure reducing valve to DIN/EN with flanged ends (DN 50-150) or threaded ends (DN 15-50), body made of nodular cast iron; valve disc, stem and seat made of stainless steel.

Applications
In water supply systems for controlling downstream pressure, in fire-fighting systems for reducing excess pressure caused by pumps, in irrigation systems, industry and building services as an efficient protection against water hammer.



<http://shop.ksb.com/catalog/k0/en/product/E5000834>

Pressure sustaining valves to DIN/EN

CONDA-VSM



PN	16/25/40
DN	50 - 150
T [°C]	≥ -10 - ≤ +70

Description
Direct-acting pressure sustaining valve to DIN/EN with flanged ends, body made of nodular cast iron, valve disc, stem and seat made of stainless steel.

Applications
Controlling upstream pressure in water supply systems, irrigation systems or fire-fighting systems, in industry and building services.



<http://shop.ksb.com/catalog/k0/en/product/E5000678>

Air valves to DIN/EN

BOAVENT-AVF



PN	16
DN	50 - 300
T [°C]	≥ -10 - ≤ +120

Description
Automatic air valve with two floats and three functions. Flanged ends, body made of nodular cast iron, double-chamber design with ABS floats. The air valve ensures proper operation of piping systems. It is specially designed to allow the entry and discharge of large volumes of air and the release of air pockets in working conditions.

Applications
Water supply, clean water, irrigation.



<http://shop.ksb.com/catalog/k0/en/product/ES000831>

BOAVENT-SIF



PN	16
DN	25 - 200
T [°C]	≥ -10 - ≤ +70

Description
Automatic air valve with one float and three functions. With flanged ends (DN 25-300R) or threaded ends (DN 25-150), body made of stainless steel, single-chamber design with polypropylene float. The air valve ensures proper operation of piping systems. It is specially designed to allow the entry and discharge of large volumes of air and the release of air pockets in working conditions.

Applications
Water supply, clean water, irrigation.



<http://shop.ksb.com/catalog/k0/en/product/ES000832>

BOAVENT-SVA



PN	16
DN	50 - 200
T [°C]	≥ -10 - ≤ +60

Description
Automatic air valve with one float and three functions. With flanged ends or threaded ends, body made of nodular cast iron, single-chamber design with polypropylene float. The air valve ensures proper operation of piping systems. It is specially designed to allow the entry and discharge of large volumes of air and the release of air pockets in working conditions.

Applications
Water supply, waste water, untreated waste water.



<http://shop.ksb.com/catalog/k0/en/product/ES000833>

BOAVENT-SVF



PN	16/25/40
DN	25 - 300
T [°C]	≥ -10 - ≤ +70

Description
Automatic air valve with one float and three functions. With flanged ends (DN 25-300R) or threaded ends (DN 25-150), body made of nodular cast iron (PN 16-40) or carbon steel (PN 64), single-chamber design with polypropylene float. The air valve ensures proper operation of piping systems. It is specially designed to allow the entry and discharge of large volumes of air and the release of air pockets in working conditions.



Applications
Water supply, clean water, irrigation.





<http://shop.ksb.com/catalog/k0/en/product/ES000832>

Vent valves for nuclear applications

SISTO-VentNA



	PN	16	Description Soft-seated vent valve with butt weld ends, for nuclear applications Applications Heating systems, air-conditioning systems.	
	DN	15		
	T [°C]	≥ -20 - ≤ +100		
			http://shop.ksb.com/catalog/k0/en/product/ES000842	

SISTO-KRVNA



	PN	16	Description Vent valve with flanged or butt weld ends, for nuclear applications, soft-seated, with floating ball. Applications Tank venting, drainage systems.	
	DN	25 - 100		
	T [°C]	≥ -20 - ≤ +100		
			http://shop.ksb.com/catalog/k0/en/product/ES000839	

Gate valves to DIN/EN

COBRA-SGP/SGO

	PN	10/16	Description Gate valve to DIN/EN with flanged ends, elastomer-coated wedge, bolted bonnet, rotating stem, inside screw, body made of nodular cast iron. Applications Water supply systems, water treatment systems, air-conditioning systems.	
	DN	40 - 600		
	T [°C]	≥ -10 - ≤ +110		
			http://shop.ksb.com/catalog/k0/en/product/ES000828	

COBRA-SMP

	PN	16	Description Gate valve to DIN/EN with flanged ends, bolted bonnet, metal-seated, rotating stem, inside screw, body and flexible wedge made of nodular cast iron, stem and seats made of stainless steel. Applications Water supply systems, heating systems, air-conditioning systems, general industrial applications, building services.	
	DN	40 - 300		
	T [°C]	≥ -10 - ≤ +110		
			http://shop.ksb.com/catalog/k0/en/product/ES000829	

ECOLINE SP/SO



PN	10/16/25
DN	40 - 600
T [°C]	≥ -10 - ≤ +110

Description

Gate valve to DIN/EN with flanged ends, bolted bonnet, metal-seated, rotating stem, inside screw, body made of cast iron, seats made of brass.

Applications

Water supply systems, heating systems, air-conditioning systems, general industrial applications, water engineering, building services.



m, e

<http://shop.ksb.com/catalog/k0/en/product/ES000654>

ECOLINE GT 40



PN	10 - 40
DN	50 - 600
T [°C]	≥ -10 - ≤ +400

Description

Gate valve to DIN/EN with flanged ends or butt weld ends, bolted bonnet, body made of cast steel, non-rotating stem, with flexible wedge, seat/disc interface made of wear and corrosion resistant 13 % chrome steel or Stellite.

Applications

Industrial plants, process engineering and shipbuilding. For water and steam. Other non-aggressive fluids such as gas or oil on request.



m, e

<http://shop.ksb.com/catalog/k0/en/product/ES000676>

STAAL 40 AKD/AKDS



PN	10 - 40
DN	50 - 900
T [°C]	≥ -10 - ≤ +530

Description

Gate valve to DIN/EN with flanged ends (AKD) or butt weld ends (AKDS), with bolted bonnet, body of forged or welded construction, non-rotating stem, split wedge with flexibly mounted discs for precise alignment with the body seats. Seat/disc interface made of wear and corrosion resistant 17 % chrome steel.

Applications

Industrial plants, power stations, process engineering and shipbuilding. For water and steam. Other non-aggressive fluids such as gas or oil on request.



m, e

<http://shop.ksb.com/catalog/k0/en/product/ES000469>

STAAL 100 AKD/AKDS



PN	63 - 100
DN	50 - 600
T [°C]	≥ -10 - ≤ +530

Description

Gate valve to DIN/EN with flanged ends (AKD) or butt weld ends (AKDS), with bolted bonnet, body of forged or welded construction, non-rotating stem, split wedge with flexibly mounted discs for precise alignment with the body seats. Seat/disc interface made of wear and corrosion resistant 17 % chrome steel or Stellite.

Applications

Industrial plants, power stations, process engineering and shipbuilding. For water and steam. Other non-aggressive fluids such as gas or oil on request.



m, e, p

<http://shop.ksb.com/catalog/k0/en/product/ES000369>

AKG-A/AKGS-A



PN	63 - 160
DN	65 - 300
T [°C]	≥ -10 - ≤ +550

Description

Gate valve to DIN/EN with flanged ends (AKG-A) or butt weld ends (AKGS-A), pressure seal design, body of forged or welded construction, non-rotating stem, split wedge with flexibly mounted discs for precise alignment with the body seats. Seat/disc interface made of wear and corrosion resistant 17 % chrome steel or Stellite.

Applications




Industrial plants, power stations, process engineering and shipbuilding. For water and steam. Other non-aggressive fluids such as gas or oil on request.



m, e, p




<http://shop.ksb.com/catalog/k0/en/product/ES000371>

ZTS




	PN	≤ 600	Description Gate valve to DIN/EN or ANSI/ASME with butt weld ends, pressure seal design, billet-forged body, seat/disc interface made of wear and corrosion resistant Stellite, split wedge with flexibly mounted discs for precise alignment with the body seats.	
	Class	4500		
DN	50 - 800			
NPS [inch]	2 - 32			
T [°C]	≥ -10 - ≤ +650			
 m, e, p		http://shop.ksb.com/catalog/k0/en/product/E5000375		

Gate valves to ANSI/ASME




ECOLINE GTB 800

	Class	150 - 800	Description Gate valve to ANSI/ASME with threaded sockets (NPT) or socket weld ends (SW), cast steel/stainless steel body, trim and bellows made of stainless steel, bolted bonnet, outside screw and yoke, sealed by graphite gland packing and metal bellows, stainless steel/graphite gaskets.	
	NPS [inch]	½ - 2		
T [°C]	≥ 0 - ≤ +427			
 m, e		http://shop.ksb.com/catalog/k0/en/product/E5000903		




ECOLINE GTC 150-600

	Class	150 - 600	Description Gate valve to ANSI/ASME with flanged ends, cast steel A216 WCB, Trim 8 (Stellite/13 % chrome steel) for Class 150/300/600, Trim 5 (Stellite/Stellite) for Class 600, with bolted bonnet, outside screw and yoke, non-rotating stem, flexible wedge, graphite gland packing, stainless steel/graphite gaskets.	
	NPS [inch]	2 - 24		
T [°C]	≥ 0 - ≤ +649			
 m, e		http://shop.ksb.com/catalog/k0/en/product/E5000774		



ECOLINE GTF 150-600

	Class	150 - 600	Description Gate valve to ANSI/ASME with flanged ends, forged steel A105, Trim 8 (Stellite/13 % chrome steel), with bolted bonnet, outside screw and yoke, non-rotating stem, single-piece wedge, graphite gland packing, stainless steel/graphite gaskets, reduced bore.	
	NPS [inch]	½ - 2		
T [°C]	≥ 0 - ≤ +816			
 m, e		http://shop.ksb.com/catalog/k0/en/product/E5000611		



ECOLINE GTF 800

	Class	800	Description Gate valve to ANSI/ASME with threaded sockets (NPT), butt weld ends (BW) or socket weld ends (SW), Trim 8 (Stellite/13 % chrome steel), with bolted bonnet, outside screw and yoke, single-piece wedge, graphite gland packing, stainless steel/graphite gaskets, available in carbon steel and alloy steel.	
	NPS [inch]	½ - 2		
T [°C]	≥ 0 - ≤ +593			
 m, e		http://shop.ksb.com/catalog/k0/en/product/E5000797		



ECOLINE GTV 150-600

	Class	150 - 600	Description Gate valve to ANSI/ASME with flanged ends, cast steel A351 CF8/CF8M, Trim 2 (304/304) and Trim 10 (316/316) for Class 150/300/600, with bolted bonnet, outside screw and yoke, non-rotating stem, flexible wedge, integral seat, graphite gland packing, stainless steel/graphite gaskets. Applications Fine chemicals, food industry, general industry; water, steam, gas and other fluids.	
	NPS [inch] T [°C]	2 - 12 ≥ -29 - ≤ +427		
● m, e			http://shop.ksb.com/catalog/k0/en/product/ES000373	



SICCA 150-600 GTC

	Class	150 - 600	Description Gate valve to ANSI/ASME with flanged or butt weld ends, with bolted bonnet, outside screw and yoke, flexible wedge, non-rising or rising stem and non-rising handwheel, Stellite hard-faced seat/disc interface made of 13 % chrome steel, with graphite gasket and gland packing, available in carbon steel, low-alloy steel and stainless steel. Applications Power stations, general industry and process engineering. For water, steam, oil, gas and non-aggressive fluids. Other fluids on request.	
	NPS [inch] T [°C]	2 - 24 ≥ 0 - ≤ +593		
● m, e			http://shop.ksb.com/catalog/k0/en/product/ES000482	

SICCA 900-3600 GTC



	Class	900 - 3600	Description Gate valve to ANSI/ASME with butt weld ends, pressure seal design, split wedge, outside screw and yoke, rising stem and non-rising handwheel, Stellite hard-faced seat/disc interface and back seat, with graphite gasket and gland packing. Available in carbon steel and alloy steel. Applications Power stations, general industry and process engineering. For water, steam, oil, gas and non-aggressive fluids. Other fluids on request.	
	NPS [inch] T [°C]	2 - 28 ≥ 0 - ≤ +650		
● m, e			http://shop.ksb.com/catalog/k0/en/product/ES000483	

SICCA 150-2500 GTF

	Class	150 - 2500	Description Gate valve to ANSI/ASME with NPT (F) threaded ends or socket weld ends, with integral flange and bolted bonnet (Class 800) or welded bonnet (Class 1500/2500), solid wedge, outside screw and yoke, Stellite hard-faced seat/disc interface made of 13 % chrome steel, with graphite gaskets and gland packing. Available in carbon steel, low-alloy steel and stainless steel. Applications Refineries, power stations, general industry and process engineering. For water, steam, oil, gas and non-aggressive fluids. Other fluids on request.	
	NPS [inch] T [°C]	¼ - 2½ ≥ 0 - ≤ +816		
● m, e			http://shop.ksb.com/catalog/k0/en/product/ES000479	

Gate valves for nuclear applications

ZTN

	PN	≤ 320	Description Gate valve with butt weld ends, for nuclear applications, with bolted or pressure seal bonnet, forged or welded body, non-rotating stem, in split-wedge or parallel-disc design, made of steel or stainless steel. Applications Reactor cooling, safety feed, feed water, live steam, cleaning and condensate systems.	
	DN T [°C]	80 - 700 ≥ -29 - ≤ +365		
● m, e, p			http://shop.ksb.com/catalog/k0/en/product/ES000456	

Body pressure relief valves

UGS



PN
DN

≥ 40
15

Description

Spring-loaded body pressure relief valve to DIN/EN, with or without bursting disc, for gate valves in pressure seal design.

Applications

Industrial plants, power stations, process engineering and shipbuilding. For water and steam. Other non-aggressive fluids such as gas or oil on request.



<http://shop.ksb.com/catalog/k0/en/product/ES000375>

Knife gate valves to DIN/EN

HERA-BD



PN
DN
T [°C]

10
50 - 1200
≥ -10 - ≤ +120

Description

Knife gate valve to DIN/EN with wafer-type single-piece or two-piece body made of nodular cast iron, bi-directional, with gland packing, non-rising stem, corrosion-protected by epoxy coating.

Applications

Industrial plants, waste water engineering, process engineering and food industry. For water, waste water and solids-laden fluids. Other fluids on request.



m, e, p

<http://shop.ksb.com/catalog/k0/en/product/ES000597>

Knife gate valves to ANSI/ASME

HERA-BDS



Class
DN
T [°C]

150
50 - 600
≥ -10 - ≤ +120

Description

Knife gate valve to ANSI/ASME with full-lug body made of carbon steel or stainless steel; bi-directional, with gland packing, rubber-lined, rising stem, non-rising handwheel.

Applications

Primarily in mining for handling slurries, abrasive fluids and high-density fluids; also in pulp applications, cement plants, waste water treatment plants and the chemical industry. Other fluids on request.



m, e, p

<http://shop.ksb.com/catalog/k0/en/product/ES000895>

HERA-BHT



Class
DN
T [°C]

150
80 - 600
≥ -10 - ≤ +100

Description

Knife gate valve to ANSI/ASME with semi-lug body made of carbon steel or stainless steel, bi-directional, with gland packing, through-going blade, rising stem, non-rising handwheel, robust yoke for actuator mounting as standard.

Applications



Primarily in mining for handling slurries and high-density fluids; excellent flow characteristic due to through-going blade; also in pulp applications and water applications. Other fluids on request.



m, e, p

<http://shop.ksb.com/catalog/k0/en/product/ES000891>



HERA-SH

	Class	150	Description Knife gate valve to ANSI/ASME with full-lug single-piece body made of carbon steel or stainless steel; uni-directional, with gland packing, rising stem, non-rising handwheel. Applications Industrial plants and waste water engineering, pulp and paper industry, food and beverage industry, chemical industry. For water, waste water and solids-laden fluids. Other fluids on request.	
	DN	50 - 1000		
T [°C]		≥ -10 - ≤ +180	http://shop.ksb.com/catalog/k0/en/product/ES000844	


 m, e, p

Lift check valves to DIN/EN



BOA-RPL/RPL F-F

	PN	10/16	Description Ball check valve to DIN/EN with flanged or female/female-threaded ends, made of nodular cast iron, NBR-coated ball, bolted cover, suitable for installation in vertical or horizontal pipes. Applications Water supply systems, water treatment systems, waste water.	
	DN	25 - 600		
T [°C]		≥ -10 - ≤ +70	http://shop.ksb.com/catalog/k0/en/product/ES000635	



BOA-RFV

	PN	10/16/25/40/63	Description Nozzle check valve to DIN/EN with flanged ends, Venturi-type body, max. flow velocity 2.5 m/s. Body made of cast iron, check disc made of brass and cast iron, seat made of stainless steel. Suitable for installation in horizontal or vertical pipes. Rapid closure without surge pressures. Applications Water supply systems, heating systems, air-conditioning systems.
	DN	40 - 600	
T [°C]		≥ -10 - ≤ +90	http://shop.ksb.com/catalog/k0/en/product/ES000653

BOA-RVK

	PN	6/10/16	Description Lift check valve to DIN/EN with wafer-type body, centring aided by the body shape, shut-off by spring-loaded plate or valve disc guided by three stainless steel guiding pins. Low-noise designs with plastic plate (DN 15 - 100) or valve disc with O-ring (DN 125 - 200), maintenance-free. Applications Industrial plants and heating systems, liquids and gases, hot-water heating systems, high-temperature hot water heating systems, heat transfer systems. Any limits given in the technical codes must be complied with. Not suitable for fluids liable to attack the materials used. Other fluids on request.	
	DN	15 - 200		
T [°C]		≥ -20 - ≤ +250	http://shop.ksb.com/catalog/k0/en/product/ES000357	

BOA-R

	PN	6/16	Description Lift check valve to DIN/EN with flanged ends, spring-loaded valve disc, maintenance-free. Applications Hot-water heating systems, high-temperature hot water heating systems, heat transfer systems. General steam applications in building services and industry. Other fluids on request.	
	DN	15 - 350		
T [°C]		≥ -10 - ≤ +350	http://shop.ksb.com/catalog/k0/en/product/ES000356	

NORI 40 RXL/RXS



PN	25/40
DN	10 - 300
T [°C]	≥ -10 - ≤ +450

Description
Lift check valve to DIN/EN with flanged ends (RXL), butt weld ends or socket weld ends (RXS), check disc with closing spring, seat/disc interface made of wear and corrosion resistant chrome steel or chrome nickel steel.

Applications
Industrial plants, power stations, process engineering and shipbuilding. For water and steam. Other non-aggressive fluids such as gas or oil on request.



<http://shop.ksb.com/catalog/k0/en/product/E5000358>

NORI 160 RXL/RXS



PN	63 - 160
DN	10 - 200
T [°C]	≥ -10 - ≤ +550

Description
Lift check valve to DIN/EN with flanged ends (RXL), butt weld ends or socket weld ends (RXS), check disc with closing spring, seat/disc interface made of wear and corrosion resistant 17 % chrome steel or Stellite.

Applications
Industrial plants, power stations, process engineering and shipbuilding. For water and steam. Other non-aggressive fluids such as gas or oil on request.



<http://shop.ksb.com/catalog/k0/en/product/E5000360>

RGS



PN	250 - 500
DN	10 - 50
T [°C]	≥ -10 - ≤ +580

Description
Lift check valve to DIN/EN with butt weld or socket weld ends, Y-pattern, check disc with closing spring, pressure seal design, Hastelloy-faced body seats.

Applications
Industrial plants, power stations, process engineering and shipbuilding. For water and steam. Other non-aggressive fluids such as gas or oil on request.



<http://shop.ksb.com/catalog/k0/en/product/E5000364>

BOACHEM-RXA



PN	10 - 40
DN	15 - 400
T [°C]	≥ -10 - ≤ +400

Description
Lift check valve to DIN/EN with flanged ends, body made of stainless steel, check disc with closing spring, lapped seat/disc interface.

Applications
Process engineering, industry, building services, food and beverage industries, for aggressive fluids. Other fluids on request.



<http://shop.ksb.com/catalog/k0/en/product/E5000366>

Lift check valves to ANSI/ASME

ECOLINE PTF 150-600



Class	150 - 600
NPS [inch]	½ - 2
T [°C]	≥ 0 - ≤ +816



Description
Lift check valve to ANSI/ASME with flanged ends, forged steel A105, Trim 8 (Stellite/13 % chrome steel), reduced bore, with bolted cover, spring-loaded valve disc.

Applications
Industrial plants, power stations, process engineering, refineries, oil and marine applications; for water, steam, gas, oil and other non-aggressive fluids.





<http://shop.ksb.com/catalog/k0/en/product/E5000424>

ECOLINE PTF 800



	Class	800	Description Lift check valve to ANSI/ASME with threaded sockets (NPT), butt weld ends (BW) or socket weld ends (SW), Trim 8 (Stellite/13 % chrome steel), with bolted cover, spring-loaded valve disc, available in carbon steel and alloy steel.	
	NPS [inch] T [°C]	½ - 2 ≥ 0 - ≤ +593		
			http://shop.ksb.com/catalog/k0/en/product/ES000374	

SICCA 150-4500 PCF



	Class	150 - 4500	Description Lift check valve to ANSI/ASME with NPT (F) threaded ends or socket weld ends, with spring-loaded valve disc, integral flange with bolted cover (Class 800) or welded cover (Class 1500/2500/4500), Stellite hard-faced body seat, disc seating face made of Stellite hard-faced 13 % chrome steel, with graphite gasket. Available in carbon steel and alloy steel.	
	NPS [inch] T [°C]	¼ - 2½ ≥ 0 - ≤ +816		
			http://shop.ksb.com/catalog/k0/en/product/ES000481	

Lift check valves for nuclear applications



NUCA/-A/-ES, Type V

	PN	≤ 410	Description Lift check valve for nuclear applications, with butt weld ends, replaceable seat (NUCA-ES), straight-way pattern, made of steel or stainless steel.	
	DN T [°C]	10 - 50 ≥ -29 - ≤ +365		
			http://shop.ksb.com/catalog/k0/en/product/ES000455	

RJN

	PN	≤ 140	Description Damped lift check valve with butt weld ends, for nuclear applications, individually selectable damping characteristic, made of steel or stainless steel.	
	DN T [°C]	80 - 600 ≥ -29 - ≤ +300		
			http://shop.ksb.com/catalog/k0/en/product/ES000459	

RYN

	PN	≤ 210	Description Combined lift check/shut-off valve with butt weld ends, for nuclear applications, Y-pattern, with gland packing or bellows, made of steel or stainless steel.	
	DN T [°C]	65 - 300 ≥ -29 - ≤ +365		
			http://shop.ksb.com/catalog/k0/en/product/ES000333	

Swing check valves to DIN/EN

ECOLINE WT/WTI



PN	16
DN	50 - 300
T [°C]	≥ -10 - ≤ +110

Description

Swing check valve to DIN/EN with wafer-type body; body and valve disc made of carbon steel (WT) or stainless steel (WTI), O-ring made of Viton.

Applications

Irrigation systems, district heating, domestic water supply, waste water treatment plants, air-conditioning systems, cooling circuits, water supply systems.

<http://shop.ksb.com/catalog/k0/en/product/ES000638>

STAAL 40 AKK/AKKS



PN	10 - 40
DN	80 - 400
T [°C]	≥ -10 - ≤ +450

Description

Swing check valve to DIN/EN with flanged ends (AKK) or butt weld ends (AKKS), with bolted cover, internally mounted hinge pin, body of welded construction, seat/disc interface made of wear and corrosion resistant 17 % chrome steel.

Applications

Industrial plants, power stations, process engineering and shipbuilding. For water and steam. Other non-aggressive fluids such as gas or oil on request.



<http://shop.ksb.com/catalog/k0/en/product/ES000471>

STAAL 100 AKK/AKKS



PN	63 - 100
DN	80 - 400
T [°C]	≥ -10 - ≤ +530

Description

Swing check valve to DIN/EN with flanged ends (AKK) or butt weld ends (AKKS), with bolted cover, internally mounted hinge pin, body of forged or welded construction, seat/disc interface made of wear and corrosion resistant 17 % chrome steel or Stellite.

Applications

Industrial plants, power stations, process engineering and shipbuilding. For water and steam. Other non-aggressive fluids such as gas or oil on request.



<http://shop.ksb.com/catalog/k0/en/product/ES000391>

AKR/AKRS



PN	63 - 160
DN	80 - 300
T [°C]	≥ -10 - ≤ +550

Description

Swing check valve to DIN/EN with flanged ends (AKR) or butt weld ends (AKRS), pressure seal design, internally mounted hinge pin, body of forged and welded construction, seat/disc interface made of wear and corrosion resistant 17 % chrome steel or Stellite.

Applications

Industrial plants, power stations, process engineering and shipbuilding. For water and steam. Other non-aggressive fluids such as gas or oil on request.



<http://shop.ksb.com/catalog/k0/en/product/ES000394>

ZRS



PN	≤ 600
DN	50 - 800
T [°C]	≥ -10 - ≤ +650

Description

Swing check valve to DIN/EN with butt weld ends, pressure seal design, internally mounted hinge pin, billet-forged body; seat/disc interface made of wear and corrosion resistant Stellite.



Applications

Industrial plants, power stations, process engineering and shipbuilding. For water and steam. Other non-aggressive fluids such as gas or oil on request.





<http://shop.ksb.com/catalog/k0/en/product/ES000396>

SISTO-RSK/RSKS



	PN	16	Description Swing check valve to DIN/EN with flanged ends, body with or without lining, soft-seated, no dead volumes, straight-way pattern, full bore, slanted seat, static sealing to atmosphere; with soft rubber encapsulated pre-loaded valve disc featuring short travel to closure.	
	DN	25 - 300		
	T [°C]	≥ -20 - ≤ +140	Applications Building services, industry and power stations; suitable for drinking water, service water, fluids handled in the food and beverage industry, abrasive and aggressive products in chemical engineering and process engineering.	
			http://shop.ksb.com/catalog/k0/en/product/ES000397	

SERIE 2000



	PN	16/25	Description Dual-plate check valve with single-piece, wafer-type body made of lamellar graphite cast iron, nodular cast iron, steel, stainless steel or copper aluminium alloy, metal/elastomer-seated or metal/metal-seated, maintenance-free, connections to EN, ASME or JIS.	
	Class	150/300		
	DN	50 - 600	Applications Building services: heating, air-conditioning, water supply, irrigation, water treatment. General processes: water, air, gas. Process engineering, chemical and petrochemical industry, sugar industry, paper industry, water supply, desalination, marine applications: water, air, gas, hydrocarbons.	
	T [°C]	≥ -196 - ≤ +538	http://shop.ksb.com/catalog/k0/en/product/ES000393	

Swing check valves to ANSI/ASME



ECOLINE SCC 150-600

	Class	150 - 600	Description Swing check valve to ANSI/ASME with flanged ends, cast steel A216 WCB, Trim 8 (Stellite/13 % chrome steel) for Class 150/300/600, Trim 5 (Stellite/Stellite) for Class 600, with bolted cover, internally mounted hinge pin (2"-12"), stainless steel/graphite gaskets.	
	NPS [inch]	2 - 24		
	T [°C]	≥ 0 - ≤ +816	Applications Refineries, power stations, process engineering and general industry; water, steam, oil, gas. Other fluids on request.	
			http://shop.ksb.com/catalog/k0/en/product/ES000776	

ECOLINE SCF 150-600


	Class	150 - 600	Description Swing check valve to ANSI/ASME with flanged ends, forged steel A105, Trim 8 (Stellite/13 % chrome steel), reduced bore, with bolted cover, internally mounted hinge pin.	
	NPS [inch]	½ - 2		
	T [°C]	≥ 0 - ≤ +816	Applications Industrial plants, power stations, process engineering, refineries, oil and marine applications; for water, steam, gas, oil and other non-aggressive fluids.	
			http://shop.ksb.com/catalog/k0/en/product/ES000799	

ECOLINE SCF 800

	Class	800	Description Swing check valve to ANSI/ASME with threaded sockets (NPT), butt weld ends (BW) or socket weld ends (SW), Trim 8 (Stellite/13 % chrome steel), with bolted cover (Class 800) or welded cover (Class 1500 and 2500), internally mounted hinge pin, available in carbon steel and alloy steel.	
	NPS [inch]	½ - 2		
	T [°C]	≥ 0 - ≤ +593	Applications Industrial plants, power stations, process engineering, refineries, oil and marine applications; for water, steam, gas, oil and other non-aggressive fluids.	
			http://shop.ksb.com/catalog/k0/en/product/ES000798	

ECOLINE SCV 150-600




Class	150 - 600	Description	
NPS [inch]	2 - 12	Swing check valve to ANSI/ASME with flanged ends, cast steel A351 CF8/CF8M, Trim 2 (304/304) and Trim 10 (316/316) for Class 150/300/600, with bolted cover, integral seat, stainless steel/graphite gaskets.	
T [°C]	≥ -29 - ≤ +427	Applications Fine chemicals, food industry and general industry. For water, steam, gas and other fluids. Other fluids on request.	

<http://shop.ksb.com/catalog/k0/en/product/ES000335>

SICCA 150-600 SCC




Class	150 - 600	Description	
NPS [inch]	2 - 24	Swing check valve to ANSI/ASME with flanged or butt weld ends, with bolted cover, internally mounted hinge pin. Bigger nominal sizes with anti-slam/dash pot arrangement (optional), graphite gaskets. Stellite hard-faced seat/disc interface made of 13 % chrome steel. Available in carbon steel, low-alloy steel and stainless steel.	
T [°C]	≥ 0 - ≤ +593	Applications Power stations, general industry and process engineering. For water, steam, oil, gas and non-aggressive fluids. Other fluids on request.	

<http://shop.ksb.com/catalog/k0/en/product/ES000486>

SICCA 900-3600 SCC




Class	900 - 3600	Description	
NPS [inch]	2 - 28	Swing check valve to ANSI/ASME with butt weld ends, pressure seal design, internally mounted hinge pin, Stellite hard-faced seat/disc interface, with graphite gasket. Available in carbon steel and alloy steel.	
T [°C]	≥ 0 - ≤ +650	Applications Power stations, general industry and process engineering. For water, steam, oil, gas and non-aggressive fluids. Other fluids on request.	

<http://shop.ksb.com/catalog/k0/en/product/ES000487>

Swing check valves for nuclear applications

SISTO-RSKNA




PN	16	Description	
DN	25 - 300	Swing check valve with flanged ends, body with or without lining, soft-seated, no dead volumes, straight-way pattern, full bore, slanted seat, static sealing to atmosphere; with soft rubber encapsulated pre-loaded valve disc featuring short travel to closure.	
T [°C]	≥ -20 - ≤ +100	Applications Waste water systems, pump systems.	

<http://shop.ksb.com/catalog/k0/en/product/ES000838>

ZRN



PN	≤ 320	Description	
DN	50 - 600	Swing check valve for nuclear applications, with butt weld ends, with bolted cover, internally mounted hinge pin, forged body made of steel or stainless steel.	
T [°C]	≥ -29 - ≤ +365	Applications Safety feed, feed water, live steam and condensate systems.	

<http://shop.ksb.com/catalog/k0/en/product/ES000399>

Tilting disc check valves to DIN/EN

COBRA-TDC01/03



PN 10/16/25/40
DN 150 - 1400
T [°C] $\geq -10 - \leq +80$

Description
Tilting disc check valve to DIN/EN with flanged ends, with lever and counterweight/hydraulic damper, body and valve disc made of nodular cast iron, body seats made of stainless steel.

Applications
Water supply systems



<http://shop.ksb.com/catalog/k0/en/product/ES000830>

Strainers to DIN/EN

BOA-S



PN 6/16/25
DN 15 - 400
T [°C] $\geq -10 - \leq +350$

Description
Strainer to DIN/EN with flanged ends, with standard or fine screen; all nominal sizes with drain plug in the cover. Made of grey cast iron or nodular cast iron.

Applications
Hot-water heating systems, high-temperature hot water heating systems, heat transfer systems. General steam applications in building services and industry. Other fluids on request.



<http://shop.ksb.com/catalog/k0/en/product/ES000401>

NORI 40 FSL/FSS



PN 25/40
DN 15 - 300
T [°C] $\geq -10 - \leq +450$

Description
Strainer to DIN/EN with flanged ends (FSL) or butt weld ends (FSS), made of cast steel, with standard or fine screen; all nominal sizes with drain plug in the cover, optional magnetic insert.

Applications
Heat transfer systems, industrial plants, building services and shipbuilding. For thermal oils, water, steam, gas and other non-aggressive fluids. Other fluids on request.



<http://shop.ksb.com/catalog/k0/en/product/ES000523>

BOACHEM-FSA



PN 10 - 40
DN 15 - 400
T [°C] $\geq -10 - \leq +400$

Description
Strainer to DIN/EN with flanged ends, body made of stainless steel, with standard or fine screen; all nominal sizes with drain plug in the cover.

Applications
Process engineering, industry, building services, food and beverage industries, for aggressive fluids. Other fluids on request.



<http://shop.ksb.com/catalog/k0/en/product/ES000402>

Strainers to ANSI/ASME

ECOLINE FYC 150-600



Class 150 - 600
NPS [inch] 2 - 12
T [°C] $\geq 0 - \leq +816$

Description

Strainer to ANSI/ASME with flanged ends, Y-pattern, bolted cover, cast steel A216 WCB, screen made of stainless steel 304, mesh width 1.5 mm.

Applications

Refineries, power stations, process engineering and general industry; water, steam, oil, gas. Other fluids on request.



<http://shop.ksb.com/catalog/k0/en/product/ES000665>

ECOLINE FYF 800



Class 800
NPS [inch] ½ - 2
T [°C] $\geq 0 - \leq +816$

Description

Strainer to ANSI/ASME with threaded sockets (NPT) or socket weld ends (SW), Y-pattern, with bolted cover, forged steel A105, screen made of stainless steel 304. Mesh width 0.8 to 0.9 mm.

Applications

Industrial plants, power stations, process engineering, refineries, oil and marine applications; for water, steam, gas, oil and other non-aggressive fluids.



<http://shop.ksb.com/catalog/k0/en/product/ES000666>

Centred-disc butterfly valves

BOAX-CBV13



PN 10/16
DN 50 - 1200
T [°C] $\geq -10 - \leq +70$

Description

Centred-disc butterfly valve with epoxy coating. Perfect shut-off in either flow direction. Flanged ends to EN standards, body made of nodular cast iron, valve disc made of stainless steel.

Applications

Shut-off or control duties, drinking water, seawater, water supply systems, water treatment systems and water distribution systems, waste water, irrigation, ultra-pure water, air, oil.



m, e, p

<http://shop.ksb.com/catalog/k0/en/product/ES000825>

BOAX-S/SF



PN 6/10/16
DN 20 - 600
T [°C] $\geq -10 - \leq +130$

Description

Centred-disc butterfly valve, with heat barrier and elastomer liner (EPDM XU or Nitrile K), with lever, manual gearbox or electric actuator (BOAXMAT-S and BOAXMAT-SF); semi-lug body (T2) or full-lug body (T4) for downstream dismantling and dead-end service. Valve disc made of stainless steel 1.4308, connections to EN.

Applications



Building services, heating, ventilation, air-conditioning systems, for drinking water.






m, e, p + AMTROBOX/AMTRONIC/SMARTRONIC

<http://shop.ksb.com/catalog/k0/en/product/ES000388>




BOAX-B

	PN	10/16	Description Centred-disc butterfly valve, sealed by elastomer liner (EPDM XC or Nitrile K), with lever, manual gearbox, pneumatic or electric actuator; semi-lug body (T2), full-lug body (T4). Body types T2 and T4 are suitable for downstream dismantling and dead-end service. Valve disc made of nodular cast iron or stainless steel. Connections to EN.	
	DN	40 - 1000		
	T [°C]	≥ -10 - ≤ +110	Applications Engineering contractors. General water circuits, fuel oil, oil. Shut-off and control duties in water management, water supply and water treatment, drainage and irrigation.	
 m, e, p + AMTROBOX/AMTRONIC/SMARTRONIC			http://shop.ksb.com/catalog/k0/en/product/ES000573	




ISORIA 10/16

	PN	10/16	Description Centred-disc butterfly valve, sealed by elastomer liner, with lever or manual gearbox, pneumatic, electric or hydraulic actuator. Wafer-type body (T1), semi-lug body (T2), full-lug body (T4) or U-section body with flat faces (T5). Body types T2 and T4 are suitable for downstream dismantling and dead-end service with counterflange. Connections to EN, ASME, JIS.	
	DN	40 - 1000		
	T [°C]	≥ -10 - ≤ +200	Applications Shut-off and control duties in all industrial and energy sectors.	
 m, e, h, p + AMTROBOX/AMTRONIC/SMARTRONIC			http://shop.ksb.com/catalog/k0/en/product/ES000377	




ISORIA 20/25

	PN	20/25	Description Centred-disc butterfly valve, sealed by elastomer liner, with lever or manual gearbox, pneumatic, electric or hydraulic actuator. Semi-lug body (T2), full-lug body (T4) or U-section body with flat faces (T5). Body types T2, T4 and T5 are suitable for downstream dismantling and dead-end service with counterflange. Connections to EN, ASME, JIS.	
	DN	32 - 1000		
	T [°C]	≥ -10 - ≤ +200	Applications Shut-off and control duties in all industrial and energy sectors.	
 m, e, h, p + AMTROBOX/AMTRONIC/SMARTRONIC			http://shop.ksb.com/catalog/k0/en/product/ES000379	



ISORIA 20 UL

	PN	16	Description Centred-disc butterfly valve, sealed by elastomer liner, with manual gearbox; semi-lug body (T2), full-lug body (T4). Body types T2 and T4 are suitable for downstream dismantling and dead-end service with counterflange. Connections to EN, ASME or JIS. Underwriter Laboratories (UL) approved.	
	DN	40 - 700		
	T [°C]	≥ -10 - ≤ +200	Applications Fire protection	
 m			http://shop.ksb.com/catalog/k0/en/product/ES000379	

MAMMOUTH


	PN	6/10/16/20/25	Description Centred-disc butterfly valve, sealed by elastomer liner, with manual gearbox, electric, hydraulic or counterweight actuator, U-section body with flat faces (T5), connections to EN, ASME or JIS.	
	DN	1050 - 4000		
	T [°C]	≥ 0 - ≤ +80	Applications Water supply, water treatment, irrigation, drainage, desalination (reverse osmosis, multi-stage flash), industry. Cooling circuits and fire protection. Shipbuilding, steel industry and power stations (hydraulic, thermal, nuclear). Shut-off and control duties in all industrial sectors.	
 m, e, p + AMTROBOX/AMTRONIC/SMARTRONIC			http://shop.ksb.com/catalog/k0/en/product/ES000382	

KE



	PN	10	Description Centred-disc butterfly valve with PFA liner. With lever, manual gearbox, pneumatic or electric actuator. With wafer-type body (T1), full-lug body (T4) or U-section body with raised faces (T6). EN, ASME, JIS connections possible.	
	DN	40 - 600		
	T [°C]	≥ -20 - ≤ +200		
Applications In the chemical industry, highly corrosive fluids: toxic and highly corrosive fluids which cannot be handled by metals or elastomers, thus requiring the sole use of PFA. Moderately corrosive and aggressive fluids allowing the use of a PFA liner with a stainless steel valve disc. Fluids requiring absolutely safe handling.				
● m, e, h, p + AMTROBOX/AMTRONIC/SMARTRONIC			http://shop.ksb.com/catalog/k0/en/product/ES000380	

Double-offset butterfly valves



APORIS-DEB02

	PN	10/16/25/40	Description Double-offset butterfly valve with epoxy coating. Perfect shut-off in either flow direction. Flanged ends to EN standards, body and valve disc made of nodular cast iron.
	DN	100 - 2200	
	T [°C]	≥ -10 - ≤ +80	
Applications Shut-off or control duties; drinking water, seawater, air, water engineering.			
● m, e, p			

DANAİS 150

	PN	≤ 25	Description Double-offset butterfly valve, with plastomer seat (also in fire-safe design), metal seat or elastomer seat (FKM [VITON R] or NBR [Nitrile]). Lever or manual gearbox, pneumatic, electric or hydraulic actuator. Body made of nodular cast iron, cast steel, stainless steel, aluminium bronze or duplex stainless steel (254 SMO). Wafer-type body (T1), full-lug body (T4), T4 suitable for downstream dismantling and dead-end service with counterflange. Connections to EN, ASME, JIS. Fire-safe design tested and certified to API 607. Fugitive emissions performance tested and certified to EN ISO 15848-1. ATEX-compliant version in accordance with Directive 2014/34/EU.	
	Class	150		
	DN	50 - 1200		
	T [°C]	≥ -50 - ≤ +260		
Applications Petroleum, gas, chemical and petrochemical industry, marine applications, transport of petroleum products and chemicals, sugar industry, geothermal energy, shipbuilding, low-pressure steam, vacuum service, mining, corrosive fluids, cleaning agents, highly aggressive fluids, brine, paper and pulp industry, fertilisers. All applications requiring offset-disc butterfly valves.				
● m, e, h, p + AMTROBOX/AMTRONIC/SMARTRONIC			http://shop.ksb.com/catalog/k0/en/product/ES000427	

DANAİS MTII

	PN	25/50	Description Double-offset butterfly valve with plastomer seat or metal seat (fire-safe), without gland packing, maintenance-free, with lever or manual gearbox, pneumatic, electric or hydraulic actuator, body made of steel or stainless steel. Wafer-type body (T1), full-lug body (T4) or flanged body (T7) with flat or raised faces. Body types T4 and T7 are suitable for dead-end service. Connections to EN, ASME or JIS. Certified to German TA Luft Technical Guidelines on Air Quality Control.	
	Class	150/300		
	DN	50 - 600		
	T [°C]	≥ -50 - ≤ +260		
Applications Petroleum, gas, chemical and petrochemical industry, nuclear power stations, onshore and offshore plants; steam, vacuum and all applications requiring offset-disc butterfly valves; industrial gases (air separation units, GOX and LOX)				
● m, e, h, p + AMTROBOX/AMTRONIC/SMARTRONIC			http://shop.ksb.com/catalog/k0/en/product/ES000381	

DANAIS TBTII



PN	10/20
Class	150
DN	50 - 1200
T [°C]	≥ -196 - ≤ +200

Description

Double-offset butterfly valve for cryogenic applications; full-lug body (T4), flanged body (T7) with flat or raised faces, or body with butt weld ends made of stainless steel to ASME Class 150, JIS, fire-safe design. On request degreased for oxygen service. Manual gearbox, pneumatic, electric or hydraulic actuator.

Applications

Natural gas liquefaction, onshore and offshore plants. All liquefied gases, industrial gases (LOX, LIN)



m, e, h, p + AMTROBOX/AMTRONIC/SMARTONIC

<http://shop.ksb.com/catalog/k0/en/product/ES000815>

Triple-offset butterfly valves

TRIODIS 150



PN	≤ 20
Class	150
DN	50 - 1500
T [°C]	≥ -196 - ≤ +450

Description

Triple-offset butterfly valve, metal-seated (fire-safe), without gland packing, maintenance-free, with lever or manual gearbox, pneumatic, electric or hydraulic actuator. Body made of steel or stainless steel, full-lug body (T4), flanged body (T7) with flat or raised faces, body with butt weld ends (BWSE). Body types T4 and T7 are suitable for dead-end service. Connections to EN, ASME or JIS. Connections to ASME: Schedule 10S, 10, STD and XS to NPS for valves with butt weld ends (other connections on request). Fugitive emissions performance tested and certified to EN ISO 15848-1. Certified to German TA Luft Technical Guidelines on Air Quality Control. Fire-safe design tested and certified to EN ISO 10497 (BS 6755 - API 6FA). ATEX-compliant version in accordance with Directive 2014/34/EU. In compliance with NACE MR0175 / ISO 15156 and MR 0103.

Applications

Natural gas liquefaction. All liquefied gases. Heat transfer fluids, oil, gas, petrochemical industry, tank farms, refineries, onshore and offshore plants.



m, e, h, p + AMTROBOX/AMTRONIC/SMARTONIC

<http://shop.ksb.com/catalog/k0/en/product/ES000816>

TRIODIS 300



PN	≤ 50
Class	300
DN	80 - 1200
T [°C]	≥ -196 - ≤ +450

Description

Triple-offset butterfly valve, metal-seated (fire-safe), without gland packing, maintenance-free, with lever or manual gearbox, pneumatic, electric or hydraulic actuator. Body made of steel or stainless steel, full-lug body (T4), flanged body (T7) with flat or raised faces, body with butt weld ends (BWSE). Body types T4 and T7 are suitable for dead-end service. Connections to EN, ASME or JIS. Connections to ASME: Schedule 40S and STD to NPS for valves with butt weld ends (other connections on request). Fugitive emissions performance tested and certified to EN ISO 15848-1. Certified to German TA Luft Technical Guidelines on Air Quality Control. Fire-safe design tested and certified to EN ISO 10497 (BS 6755 - API 6FA). ATEX-compliant version in accordance with Directive 2014/34/EU. In compliance with NACE MR0175 / ISO 15156 and MR 0103.

Applications

Natural gas liquefaction. All liquefied gases. Heat transfer fluids, aggressive fluids, oil, gas, petrochemical industry, tank farms, refineries, onshore and offshore plants.



m, p + AMTROBOX/AMTRONIC/SMARTONIC

<http://shop.ksb.com/catalog/k0/en/product/ES000817>

TRIODIS 600



PN	≤ 100
Class	600
DN	150 - 1000
T [°C]	≥ -196 - ≤ +450

Description

Triple-offset butterfly valve, metal-seated (fire-safe), without gland packing, maintenance-free, with lever or manual gearbox, pneumatic, electric or hydraulic actuator. Body made of steel or stainless steel, full-lug body (T4), flanged body (T7) with flat or raised faces. Body types T4 and T7 are suitable for dead-end service. Connections to EN, ASME or JIS (other connections on request). Fugitive emissions performance tested and certified to EN ISO 15848-1. Certified to German TA Luft Technical Guidelines on Air Quality Control. Fire-safe design tested and certified to BS 6775-2. ATEX-compliant in accordance with Directive 2014/34/EU. In compliance with NACE MR0175 / ISO 15156 and MR 0103.

Applications

Natural gas liquefaction. All liquefied gases. Heat transfer fluids, aggressive fluids, oil, gas, petrochemical industry, tank farms, refineries, onshore and offshore plants.



m, p + AMTROBOX/AMTRONIC/SMARTONIC

<http://shop.ksb.com/catalog/k0/en/product/ES000818>

Butterfly valves for nuclear applications

CLOSSIA



PN	≤ 5,5
DN	250/500/750/1000
T [°C]	≥ -20 - ≤ +170

Description
Double-offset butterfly valve, metal-seated, maintenance-free. Steel body with one flanged and one weld end connection. With safety actuator with manual, pneumatic or electric actuation.

Applications
In the containment of nuclear power stations.

m, e, p

Combined butterfly/check valve

DUALIS



DN	500 - 1400
T [°C]	≥ -10 - ≤ +65

Description
Combined butterfly/check valve with single-acting hydraulically controlled counterweight actuator. For mounting on valves with DN 500 to 1400.

Applications
For installation in the pump discharge lines of pumping stations. Power station cooling circuits. Protects pipelines and turbines.



<http://shop.ksb.com/catalog/k0/en/product/ES000905>

Single-piece ball valves

MP-CI/MP-II



PN	16
DN	15 - 150
T [°C]	≥ -10 - ≤ +200

Description
Ball valve to DIN/EN with wafer-type body made of Kanigen-treated carbon steel (MP/CI) or stainless steel (MP/II), stainless steel ball, PTFE/graphite seat.

Applications
Irrigation and fire-fighting systems, domestic water supply, air-conditioning systems, cooling circuits, water supply systems.

m, p + AMTROBOX/AMTRONIC

<http://shop.ksb.com/catalog/k0/en/product/ES000625>

PROFIN VT1



PN	40
DN	8 - 50
T [°C]	≥ -20 - ≤ +150

Description
Ball valve to ANSI/ASME with threaded ends (BSP), single-piece body, reduced bore, solid ball, blowout-proof shaft, body made of stainless steel.

Applications
Spray irrigation systems, general irrigation systems, fire-fighting systems, air-conditioning systems, paint shops, snow-making systems, washing plants, water supply systems, mining, pressure boosting, chemical industry, process engineering, paper and pulp industry, domestic water supply, heating, ventilation and air-conditioning applications. For cleaning agents, condensate, cooling water, corrosive fluids, drinking water, fire-fighting water, lubricants, oil, river water, seawater, groundwater, service water, wash water and solvents.

m

Two-piece ball valves

ECOLINE BLT 150-300



Class	150 / 300
DN	15 - 300
T [°C]	≥ -10 - ≤ +200

Description

Ball valve to ANSI/ASME with flanged ends, two-piece body, full bore, floating ball, plastomer sealing (also in fire-safe design).

Applications

General industry, power stations, chemical industry, petrochemical industry and all related branches of industry, paper industry, food industry and pharmaceutical industry.



● m, e, p

<http://shop.ksb.com/catalog/k0/en/product/E5000795>

PROFIN VT2L



PN	40
DN	8 - 80
T [°C]	≥ -20 - ≤ +150

Description

Ball valve to ANSI/ASME with threaded ends (BSP), two-piece body, full bore, solid ball, anti-static design, blowout-proof shaft, body made of stainless steel.

Applications

Spray irrigation systems, general irrigation systems, fire-fighting systems, air-conditioning systems, paint shops, snow-making systems, washing plants, water supply systems, mining, pressure boosting, chemical industry, process engineering, paper and pulp industry, domestic water supply, heating, ventilation and air-conditioning applications. For cleaning agents, condensate, cooling water, corrosive fluids, drinking water, fire-fighting water, lubricants, oil, river water, seawater, groundwater, service water, wash water and solvents.

● m

Three-piece ball valves

ECOLINE BLC 1000



Class	1000 WOG
DN	8 - 100
T [°C]	≥ -10 - ≤ +200

Description

Ball valve to ANSI/ASME with threaded ends (NPT), butt weld or socket weld ends, three-piece body, full bore, floating ball. Plastomer sealing (also in fire-safe design).

Applications

General industry, power stations, chemical industry, petrochemical industry and all related branches of industry, paper industry, food industry and pharmaceutical industry.



● m, p

<http://shop.ksb.com/catalog/k0/en/product/E5000794>

PROFIN S13



PN	16/40
DN	15 - 100
T [°C]	≥ -20 - ≤ +150

Description



Ball valve to ANSI/ASME with flanged ends, threaded ends (BSP) or long butt weld ends, three-piece body, full bore, solid ball, top flange to ISO 5211, anti-static design, blowout-proof shaft, spring-loaded shaft seal, body made of stainless steel.

Applications

Spray irrigation systems, general irrigation systems, fire-fighting systems, air-conditioning systems, paint shops, snow-making systems, washing plants, water supply systems, mining, pressure boosting, chemical industry and process engineering, paper and pulp industry, domestic water supply, heating, ventilation and air-conditioning systems. For cleaning agents, condensate, cooling water, corrosive fluids, drinking water, fire-fighting water, lubricants, oil, river water, seawater, groundwater, service water, wash water and solvents.




● m, p

PROFIN VT3




	PN	40	Description Ball valve to ANSI/ASME with flanged ends, threaded ends (BSP) or long butt weld ends, three-piece body, full bore, solid ball, blowout-proof shaft, body made of stainless steel.
	DN	8 - 100	
	T [°C]	≥ -20 - ≤ +150	Applications Spray irrigation systems, general irrigation systems, fire-fighting systems, air-conditioning systems, paint shops, snow-making systems, washing plants, water supply systems, mining, pressure boosting, chemical industry and process engineering, paper and pulp industry, domestic water supply, heating, ventilation and air-conditioning systems. For cleaning agents, condensate, cooling water, corrosive fluids, drinking water, fire-fighting water, lubricants, oil, river water, seawater, groundwater, service water, wash water and solvents.
			

Soft-seated diaphragm valves to DIN/EN




SISTO-KB

	PN	10	Description Diaphragm valve to DIN/EN with flanged ends; shut-off and sealing to atmosphere by diaphragm; hydraulically favourable body with or without lining, position indicator with integrated stem protection. DN 125 to DN 200 with threaded bush. All moving parts are separated from the fluid by the diaphragm. Maintenance-free.	
	DN	15 - 200		
	T [°C]	≥ -20 - ≤ +140	Applications Building services, industry, power stations; suitable for abrasive and aggressive products such as service water, waste water, acids, alkaline solutions, sludges and suspensions.	
				http://shop.ksb.com/catalog/k0/en/product/ES000314



SISTO-10

	PN	10	Description Diaphragm valve to DIN/EN with flanged ends; shut-off and sealing to atmosphere by spiral-supported diaphragm (DN 65 and above); body with or without lining, position indicator with integrated stem protection. All moving parts are separated from the fluid by the diaphragm. Maintenance-free.	
	DN	15 - 300		
	T [°C]	≥ -20 - ≤ +160	Applications Industrial plants, chemical engineering, process engineering, for service water, air, oil, abrasive and aggressive fluids.	
				http://shop.ksb.com/catalog/k0/en/product/ES000315

SISTO-10M

	PN	10	Description Diaphragm valve to DIN/EN with threaded sockets; shut-off and sealing to atmosphere by spiral-supported diaphragm (DN 65 and above); position indicator with integrated stem protection. All moving parts are separated from the fluid by the diaphragm. Maintenance-free.	
	DN	15 - 80		
	T [°C]	≥ -10 - ≤ +140	Applications Industrial plants, chemical engineering, process engineering, for service water, air, oil, abrasive and aggressive fluids.	
				http://shop.ksb.com/catalog/k0/en/product/ES000513



SISTO-16

	PN	16	Description Diaphragm valve to DIN/EN with flanged ends; shut-off and sealing to atmosphere by completely enclosed spiral-supported diaphragm; body with or without lining, position indicator with integrated stem protection. All moving parts are separated from the fluid by the diaphragm. Maintenance-free.	
	DN	15 - 200		
	T [°C]	≥ -10 - ≤ +160	Applications Building services, industry and power stations; suitable for drinking water, service water, air, oil, technical gases, fluids handled in the food and beverage industry, abrasive and aggressive products in chemical engineering and process engineering.	
● m, e, p			http://shop.ksb.com/catalog/k0/en/product/ES000316	



SISTO-16S

	PN	16	Description Diaphragm valve to DIN/EN with flanged ends, short face-to-face length; shut-off and sealing to atmosphere by completely enclosed spiral-supported diaphragm; body with or without lining, position indicator with integrated stem protection. All moving parts are separated from the fluid by the diaphragm. Maintenance-free.	
	DN	15 - 200		
	T [°C]	≥ -20 - ≤ +160	Applications Building services, industry and power stations; suitable for drinking water, service water, air, oil, technical gases, fluids handled in the food and beverage industry, abrasive and aggressive products in chemical engineering and process engineering.	
● m, e, p			http://shop.ksb.com/catalog/k0/en/product/ES000514	



SISTO-16RGA

	PN	16	Description Diaphragm valve to DIN/EN with gunmetal body and threaded sockets for drinking water installations in building services to DIN 1988, DIN-DVGW-approved for water acc. to test W 270, in compliance with KTW recommendations (use of elastomers in drinking water applications); shut-off and sealing to atmosphere by completely enclosed diaphragm; position indicator with integrated stem protection. All moving parts are separated from the fluid by the diaphragm. Maintenance-free.	
	DN	15 - 80		
	T [°C]	≥ -10 - ≤ +90	Applications Drinking water, particularly drinking water installations to DIN 1988, seawater, all service water qualities.	
● m			http://shop.ksb.com/catalog/k0/en/product/ES000319	

SISTO-16TWA

	PN	16	Description Diaphragm valve to DIN/EN with flanged ends, for drinking water installations to DIN 1988, DIN-DVGW-approved for water acc. to test W 270, in compliance with the latest German Environment Agency guideline; shut-off and sealing to atmosphere by completely enclosed and spiral-supported SISTOMaXX diaphragm; position indicator with integrated stem protection. All moving parts are separated from the fluid by the diaphragm. Maintenance-free.	
	DN	15 - 200		
	T [°C]	≥ -10 - ≤ +140	Applications SISTO-16TWA (drinking water up to 90 °C): drinking water, particularly drinking water installations to DIN 1988, water containing chlorine, seawater, etc. SISTO-16HWA (hot water up to 140 °C): all service water qualities. SISTO-16 DLU (compressed air up to 90 °C): compressed air with oil content, oils and technical gases	
● m, e, p			http://shop.ksb.com/catalog/k0/en/product/ES000318	

SISTO-20

	PN	16	Description Diaphragm valve to DIN/EN with flanged ends; shut-off and sealing to atmosphere by completely enclosed spiral-supported diaphragm; body with or without lining, position indicator with integrated stem protection. All moving parts are separated from the fluid by the diaphragm. Maintenance-free.	
	DN	15 - 200		
	T [°C]	≥ -20 - ≤ +160	Applications Building services, industry and power stations; suitable for drinking water, service water, air, oil, technical gases, fluids handled in the food and beverage industry, abrasive and aggressive products in chemical engineering and process engineering.	
● m, e, p			http://shop.ksb.com/catalog/k0/en/product/ES000317	

SISTO-C



PN 16
DN 6 - 200
T [°C] $\geq -20 - \leq +160$

Description
Diaphragm valve with butt weld ends or clamps; straight-way, Y or T pattern, or as a multi-port valve; shut-off and sealing to atmosphere by completely enclosed diaphragm. No dead volumes, suitable for sterilisation, SIP/CIP-compliant design, position indicator. All moving parts are separated from the fluid by the diaphragm. Maintenance-free.

Applications

Biotechnology, pharmaceutical industry, sterile processes, food and beverage industry.



m, p

<http://shop.ksb.com/catalog/k0/en/product/ES000320>

Diaphragm valves for nuclear applications

SISTO-20NA



PN 20
DN 8 - 150
T [°C] $\geq -20 - \leq +100$

Description
Diaphragm valve with butt weld ends, for nuclear applications, shut-off and sealing to atmosphere by completely enclosed spiral-supported diaphragm. All moving parts are separated from the fluid by the diaphragm. Maintenance-free.

Applications

Cleaning systems, condensate and cooling water systems, waste water systems, auxiliary systems.



m, e, p

<http://shop.ksb.com/catalog/k0/en/product/ES000840>

SISTO-DrainNA



PN 16
DN 15 - 25
T [°C] $\geq -20 - \leq +100$

Description
Diaphragm valve with butt weld ends, for nuclear applications; shut-off and sealing to atmosphere by completely enclosed diaphragm. All moving parts are separated from the fluid by the diaphragm. Maintenance-free.

Applications

Heating systems, air-conditioning systems, auxiliary systems.



m

<http://shop.ksb.com/catalog/k0/en/product/ES000841>

Feed water bypass valves

ZJSVM/RJSVM



PN ≤ 600
DN 100 - 800
T [°C] $\geq -10 - \leq +450$

Description
Feed water bypass valve to DIN/EN with butt weld ends, pressure seal design, billet-forged body, Z or T pattern, seat/disc interface made of wear and corrosion resistant Stellite, controlled by process fluid.

Applications

Industrial plants, power stations, process engineering and shipbuilding. For water and steam. Other non-aggressive fluids such as gas or oil on request.

m, e, p

Expansion and anti-vibration joints

ECOLINE GE1/GE2/GE3



PN	16
DN	15 - 300
T [°C]	≥ -10 - ≤ +105

Description
Expansion joint to DIN/EN with flanged or threaded ends, made of EPDM elastomer or NBR, flanges made of nickel-coated carbon steel.

Applications
Irrigation, domestic water supply, air-conditioning systems, cooling circuits, food and beverage industry, water treatment, water supply.



ECOLINE GE4



PN	16
DN	20 - 200
T [°C]	≥ -10 - ≤ +100



Description
Anti-vibration joint to DIN/EN, body made of EPDM, flanges to EN standards.

Applications
Irrigation, domestic water supply, air-conditioning systems, cooling circuits, food and beverage industry, water treatment, water supply.





Levers

CR/CM



	T [°C] $\geq -20 - \leq +80$	<p>Description Lever made of cast iron. CR type series: locks in 10 positions (open, closed and 8 evenly spaced intermediate positions). CM type series: same as CR, with special coating.</p> <p>Applications Building services, water engineering, energy engineering and industry.</p>	
http://shop.ksb.com/catalog/k0/en/product/ES000501			

S/SR/SP



	T [°C] $\geq -20 - \leq +80$	<p>Description Lever made of light metal alloy; S type series: locks in limit positions (open and closed), SR type series: locks in 9 positions (open, closed and 7 evenly spaced intermediate positions), SP type series: locks in any position.</p> <p>Applications Water engineering, energy engineering and industry</p>	
http://shop.ksb.com/catalog/k0/en/product/ES000501			

Manual gearboxes

MN



	Output torque [Nm] ≤ 250 Enclosure IP67 T [°C] $\geq -20 - \leq +80$	<p>Description Manual actuator for operating quarter-turn valves. MN range manual gearbox, irreversible worm gear, handwheel-operated.</p> <p>Applications Building services, general industrial applications, water and industrial processes in non-corrosive and non-saline environments.</p>	
http://shop.ksb.com/catalog/k0/en/product/ES000503			

MR



	Output torque [Nm] ≤ 16000 Enclosure IP67/IP68 T [°C] $\geq -20 - \leq +80$	<p>Description Heavy-duty manual actuator for operating quarter-turn valves. MR range manual gearbox, irreversible worm gear or patented AMRI yoke kinematics. Handwheel-operated as standard. Models MR 400 to 1600 can be fitted with actuators. Options include alternative operating mechanisms, limit switch box, low-temperature version, etc.</p> <p>Applications Building services, industry and process engineering, water management, waste water management, energy, petroleum and natural gas, mining, dredgers and shipbuilding.</p>	
● AMTROBOX http://shop.ksb.com/catalog/k0/en/product/ES000504			

Electric actuators



ACTELEC - BERNARD CONTROLS

	Quarter-turn actuator	AQ1L - SQ120	Description Electric actuators by BERNARD CONTROLS for direct mounting on quarter-turn valves (actuator flange to ISO 5211) with a manual gearbox of the MR type series (actuator flange to ISO 5210). Power supply: single-phase AC, three-phase or direct current. Torque switch, travel stop and limit switch box as standard. For on/off or control duties. Integrated local control or remote control.	
	Multi-turn actuator	31 - 800		
Enclosure		IP67	Applications Water engineering, energy engineering and industry	http://shop.ksb.com/catalog/k0/en/product/ES000407
Output torque [Nm]		≤ 8000		
T [°C]		≥ -20 - ≤ +80		

ACTELEC - AUMA



	Quarter-turn actuator	SQ 05.2 - SQ 12	Description Electric actuators by AUMA for direct mounting on quarter-turn valves (actuator flange to ISO 5211) with a manual gearbox of the MR type series (actuator flange to ISO 5210). Power supply: single-phase AC, three-phase or direct current. Torque switch, travel stop and limit switch box as standard. For on/off or control duties. Integrated local control or remote control.	
	Multi-turn actuator	31 - 1600		
Enclosure		IP67	Applications Water engineering, energy engineering and industry	http://shop.ksb.com/catalog/k0/en/product/ES000407
Output torque [Nm]		≤ 16000		

SISTO-LAE

	Type	AUMA	Description Multi-turn actuators for valves with rising stem, max. closing force 60,000 N, configurable as a function of flow characteristics and valve travel; open/closed-position feedback; factory-mounted.	
	Multi-turn actuator	IP67		
Enclosure		≤ 250	Applications Building services, industry, power stations, food industry, chemical industry.	http://shop.ksb.com/catalog/k0/en/product/ES000405
Output torque [Nm]				

Hydraulic actuators



HQ

	Output torque [Nm]	≤ 55000	Description Single-acting or double-acting hydraulic actuator (gas cartridge or spring) for mounting on quarter-turn valves (butterfly valves or ball valves). Actuator flange to ISO 5211. Control pressure up to 160 bar. Mounts on valves with square or flat shaft end. Force transmission via rack-and-pinion or scotch-yoke kinematics provides output torques of up to 55,000 Nm which are ideal for actuating quarter-turn valves. Equipped with a visual position indicator and adjustable travel stops for open/closed position as standard. Optional manual override. Can be equipped with a hydraulic power unit: for shut-off, as a safety block, ESD block, as a bypass device enabling manual override. Can be combined with all limit switch boxes of the AMTROBOX/AMTROBOX R type series.	
	Enclosure	IP68		
T [°C]		≥ -45 - ≤ +100	Applications Marine	http://shop.ksb.com/catalog/k0/en/product/ES000924



● AMTROBOX

Pneumatic actuators



ACTAIR NG

	<p>Output torque [Nm] at a control pressure of 6 bar Enclosure T [°C]</p> <p>≤ 8000 IP68 ≥ -50 - ≤ +150</p>	<p>Description Double-acting pneumatic actuator for mounting on quarter-turn valves (butterfly valves or ball valves). Actuator flange to ISO 5211. Control pressure up to 8 bar. Mounts on valves with square or flat shaft end. Force transmission via scotch-yoke kinematics provides output torques of up to 8000 Nm which are ideal for actuating quarter-turn valves. Equipped with a visual position indicator and, depending on the actuator size, adjustable travel stops for open/closed position or closed position as standard. Optional separate or integrated manual override. Suitable for mounting control unit type series AMTROBOX, AMTRONIC, SMARTRONIC or any other device with an interface to VDI/VDE 3845.</p> <p>Applications Water engineering, energy engineering and industry</p>	
<p>AMTROBOX, AMTRONIC, SMARTRONIC</p>		<p>http://shop.ksb.com/catalog/k0/en/product/ES000411</p>	



DYNACTAIR NG

	<p>Output torque [Nm] at a control pressure of 6 bar Enclosure T [°C]</p> <p>≤ 4000 IP68 ≥ -50 - ≤ +150</p>	<p>Description Single-acting pneumatic actuator for mounting on quarter-turn valves (butterfly valves or ball valves). Actuator flange to ISO 5211. Control pressure up to 8 bar. Mounts on valves with square or flat shaft end. Force transmission via scotch-yoke kinematics provides output torques of up to 4000 Nm which are ideal for actuating quarter-turn valves. Reset to fail-safe position in case of control air failure is effected by means of spring assemblies. Equipped with a visual position indicator and, depending on the actuator size, adjustable travel stops for closed position or open/closed position as standard. Optional separate or integrated manual override. Suitable for mounting control unit type series AMTROBOX, AMTRONIC, SMARTRONIC or any other device with an interface to VDI/VDE 3845.</p> <p>Applications Water engineering, energy engineering and industry</p>	
<p>AMTROBOX, AMTRONIC, SMARTRONIC</p>		<p>http://shop.ksb.com/catalog/k0/en/product/ES000412</p>	

SISTO-LAD

	<p>Control air pressure [bar] Closing force [N]</p> <p>≤ 6 ≤ 20000</p>	<p>Description Diaphragm actuator in compact design for mounting on valves with a linear stem movement (globe valves, diaphragm valves and gate valves). Available in single-acting spring-to-close or spring-to-open design, or double-acting air-to-open/air-to-close design; suitable for mounting limit switches or positioners to suit customer requirements, factory-mounted. Settings are adjusted during factory test run.</p> <p>Applications Building services, industry, power stations; suitable for abrasive and aggressive products such as service water, waste water, acids, alkaline solutions, sludges and suspensions.</p>	
		<p>http://shop.ksb.com/catalog/k0/en/product/ES000805</p>	

SISTO-LAP

	<p>Control air pressure [bar] Closing force [N]</p> <p>5,5 - 10 ≤ 250000</p>	<p>Description Piston actuator in heavy-duty design for mounting on valves with a linear stem movement (globe valves, diaphragm valves and gate valves). Actuator flange to DIN/ISO 5210. Available in single-acting spring-to-close or spring-to-open design, or double-acting air-to-open/air-to-close design; suitable for mounting limit switches or positioners to suit customer requirements, factory-mounted. Settings are adjusted during factory test run.</p> <p>Applications Building services, industry, power stations, food and beverage industries, and chemical industry. The pneumatic actuators can be used in potentially explosive atmospheres.</p>	
		<p>http://shop.ksb.com/catalog/k0/en/product/ES000409</p>	

SISTO-C LAP



Control air pressure [bar]
Closing force [N]

5,5 - 7
≤ 20000

Description

Piston actuator in high-grade stainless steel design for use on SISTO-C diaphragm valves. Available in single-acting spring-to-close or spring-to-open design, or double-acting air-to-open/air-to-close design; suitable for mounting limit switches or positioners to suit customer requirements, factory-mounted. Settings are adjusted during factory test run.

Applications

Biotechnology, pharmaceutical industry, sterile processes, food and beverage industry.



<http://shop.ksb.com/catalog/k0/en/product/ES000320>

Actuator accessories

RMD



Enclosure
T [°C]

IP65
≥ -20 - ≤ +80

Description



Manual override using a declutchable gear operator with handwheel for mounting on ACTAIR NG double-acting pneumatic actuators, DYNACTAIR NG single-acting pneumatic actuators and HQ single-acting or double-acting hydraulic actuators. The manual override is fitted between the valve and the actuator. The manual override has priority over the pneumatic or hydraulic actuator and is locked either in clutched or declutched position using the locking device.

Applications



Water engineering, energy engineering and industry

Monitoring



AMTROBOX

	<p>Enclosure T [°C]</p> <p>IP67/IP68 ≥ -20 - ≤ +80</p>	<p>Description Multi-functional AMTROBOX limit switch box. For open/closed position signalling via mechanical limit switches or proximity sensors. AMTROBOX (R1149) mounts on MR manual gearboxes, ACTAIR NG pneumatic actuators and HQ hydraulic actuators.</p> <p>Applications Water engineering, building services and energy engineering</p>	
http://shop.ksb.com/catalog/k0/en/product/ES000463			



AMTROBOX EEx ia

	<p>Enclosure T [°C]</p> <p>IP67 ≥ -10 - ≤ +50</p>	<p>Description Multi-functional AMTROBOX limit switch box. For open/closed position signalling via mechanical limit switches or proximity sensors. AMTROBOX EEx ia (R1172): intrinsically safe version for potentially explosive atmospheres.</p> <p>Applications Water engineering, building services and energy engineering</p>	
http://shop.ksb.com/catalog/k0/en/product/ES000463			



AMTROBOX ATEX Zone 22

	<p>Enclosure T [°C]</p> <p>IP67 ≥ -10 - ≤ +60</p>	<p>Description Multi-functional AMTROBOX limit switch box. For open/closed position signalling via mechanical limit switches or proximity sensors. AMTROBOX ATEX (X1140, X1149): ATEX-compliant version for potentially explosive dust atmospheres (Zone 22).</p> <p>Applications Water engineering, building services and energy engineering</p>	
http://shop.ksb.com/catalog/k0/en/product/ES000463			

AMTROBOX F

	<p>Enclosure T [°C]</p> <p>IP67 ≥ -25 - ≤ +70</p>	<p>Description Limit switch box for mounting on levers and manual actuators with ISO 5211 interface for open/closed position signalling via proximity sensors. Mounts on lever type series S or C or on manual actuator type series MN or MR. Thanks to its particularly low height (< 5 mm), it can be mounted between any valve and actuator with ISO 5211 interface.</p> <p>Applications Water engineering, building services and energy engineering</p>	
http://shop.ksb.com/catalog/k0/en/product/ES000463			

AMTROBOX M

	<p>Enclosure T [°C]</p> <p>IP65 ≥ -20 - ≤ +80</p>	<p>Description Limit switch box specially designed for manual actuation. For open/closed position signalling via mechanical limit switches or proximity sensors. AMTROBOX M mounts on the S series of quarter-turn levers (R1020) and manual gearbox types MA 12 and MA 25 (R1021).</p> <p>Applications Water engineering, building services and energy engineering</p>	
http://shop.ksb.com/catalog/k0/en/product/ES000463			

AMTROBOX R



Enclosure
T [°C]

IP68
≥ -45 - ≤ +80

Description

Sturdy and multi-functional. For open/closed position signalling via mechanical limit switches or proximity sensors. AMTROBOX R (R1187) mounts on MR manual gearboxes, ACTAIR NG pneumatic actuators, HQ hydraulic actuators and any actuators with VDI/VDE interface.

Applications

Water engineering, energy engineering, offshore plants and heavy industry



<http://shop.ksb.com/catalog/k0/en/product/ES000463>

AMTROBOX R EEx ia



Enclosure
T [°C]

IP68
≥ -25 - ≤ +80

Description

Sturdy and multi-functional. For open/closed position signalling via mechanical limit switches or proximity sensors. AMTROBOX R EEx ia (R1188): intrinsically safe version for potentially explosive atmospheres (Zones 0 + 21).

Applications

Water engineering, energy engineering, offshore plants and heavy industry



<http://shop.ksb.com/catalog/k0/en/product/ES000463>

ON/OFF valve controllers

AMTRONIC



Enclosure
Control air pressure [bar]
T [°C]

IP67
3 - 8
≥ -20 - ≤ +80

Description

On/off control of pneumatic quarter-turn actuators and open/closed position signalling. Mounts directly on ACTAIR NG actuators with no need for a bracket, providing a rugged, compact and integrated solution. Its integrated directional control valve eliminates the need for any pneumatic lines between AMTRONIC and the actuator. The actuating time of the actuator can be set via AMTRONIC's air flow reducer. AMTRONIC can be connected to Profibus DP or AS-i field buses. AMTRONIC has been specially developed to reduce control unit cabling. Connection via field bus enables both power supply and control information exchange with the process control system.

Applications

Water engineering, energy engineering and industry



<http://shop.ksb.com/catalog/k0/en/product/ES000462>

AMTRONIC Ex ia



Enclosure
Control air pressure [bar]
T [°C]

IP67
3 - 8
≥ -10 - ≤ +50

Description

On/off control of pneumatic quarter-turn actuators and open/closed position signalling. Mounts directly on ACTAIR NG actuators with no need for a bracket, providing a rugged, compact and integrated solution. Its integrated directional control valve eliminates the need for any pneumatic lines between AMTRONIC and the actuator. The actuating time of the actuator can be set via AMTRONIC's air flow reducer. The intrinsically safe AMTRONIC Ex ia can be operated in potentially explosive atmospheres. It complies with Directive 2014/34/EU and is marked in accordance with CE 0081 Ex II 1 G. Type of protection Ex ia IIC T6 Ga in accordance with EN 60079-0 and EN 60079-11.

Applications



Water engineering, energy engineering and industry





<http://shop.ksb.com/catalog/k0/en/product/ES000462>

Positioners

SMARTRONIC MA



	Enclosure	IP67	Description SMARTRONIC MA (R1310) is an electro-pneumatic digital positioner powered via the 4-20 mA signal. Mounts on ACTAIR NG/ DYNACTAIR NG actuators with direct compressed air supply, or on any type of quarter-turn actuator with VDI/VDE 3845 interface and linear actuators with NAMUR interface. SMARTRONIC MA reduces investment, commissioning and operating costs as the unit consumes no air while idle.	
	Control air pressure [bar] T [°C]	2 - 7 ≥ -20 - ≤ +80		
			http://shop.ksb.com/catalog/k0/en/product/ES000461	

SMARTRONIC AS-i

	Enclosure	IP67	Description Electro-pneumatic digital positioner for connection to an AS-i field bus. Certified by AS International. Mounts on ACTAIR NG/ DYNACTAIR NG actuators with direct compressed air supply, or on any type of quarter-turn actuator with VDI/VDE 3845 interface and linear actuators with NAMUR interface.	
	Control air pressure [bar] T [°C]	3 - 8 ≥ -20 - ≤ +80		
			http://shop.ksb.com/catalog/k0/en/product/ES000874	

Intelligent positioners

SMARTRONIC PC

	Enclosure	IP67	Description SMARTRONIC PC (R1312) is an intelligent, compact and innovative positioner. The integrated control offered by this multi-functional control unit represents the latest in open-loop and closed-loop control technology for valves. The unit attaches directly to ACTAIR NG and DYNACTAIR NG actuators with no need for a bracket or external piping, providing a rugged, compact overall solution. SMARTRONIC PC offers four functions: programmable characteristic curves for valve opening and closing, intelligent positioning, process monitoring and control. SMARTRONIC PC is PC programmable and can be connected to a Profibus DP field bus.	
	Control air pressure [bar] T [°C]	3 - 8 ≥ -20 - ≤ +80		
			http://shop.ksb.com/catalog/k0/en/product/ES000873	

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