

Product Portfolio 2020

Valves | Actuators | Automation



Type Series Index

ACTAIR NG	60	ECOLINE SCF 150-600	45	STAAL 100 AKK/AKKS	44
ACTELEC (AUMA)	59	ECOLINE SCF 800	45	STAAL 40 AKD/AKDS	36
ACTELEC (BERNARD CONTROLS)	59	ECOLINE SCV 150-600	45	STAAL 40 AKK/AKKS	44
AKG-A/AKGS-A	37	ECOLINE SP/SO	36		
AKR/AKRS	44	ECOLINE VA16	29	TRIODIS 150	51
AMTROBOX	62	ECOLINE WT/WTI	43	TRIODIS 300	51
AMTROBOX ATEX Zone 22	62			TRIODIS 600	51
AMTROBOX EEx ia	62	HERA-BD	39		
AMTROBOX F	62	HERA-BDS	40	UGS	39
AMTROBOX M	62	HERA-BHT	40		
AMTROBOX R	63	HERA-SH	40	ZJSVM/RJSVM	56
AMTROBOX R EEx ia	63	HQ	59	ZRN	46
AMTROBOX R Ex d	63			ZRS	44
AMTRONIC	63	ISORIA 10/16	49	ZTN	39
AMTRONIC Ex ia	64	ISORIA 20 UL	49	ZTS	37
APORIS-DEB02	50	ISORIA 20/25	49	ZXNB	31
				ZXNVB	31
				ZYNB/ZYN	31
BOACHEM-FSA	47	KE	50		
BOACHEM-RXA	42				
BOACHEM-ZXA	29	MAMMOUTH	49		
BOACHEM-ZXAB/ZYAB	27	MN	58		
BOA-Compact	25	MP-CI/MP-II	52		
BOA-Compact EKB	25	MR	58		
BOA-Control SAR	33				
BOA-Control/BOA-Control IMS	33	NORI 160 RXL/RXS	41		
BOA-CVE C/CS/W/IMS/EKB/IMS EKB	32	NORI 160 ZXL/ZXS	28		
BOA-CVE H	32	NORI 160 ZXLf/ZXSf	28		
BOA-CVP H	32	NORI 320 ZXSV	28		
BOA-H	26	NORI 40 FSL/FSS	47		
BOA-H Mat E	31	NORI 40 RXL/RXS	41		
BOA-H Mat P	31	NORI 40 ZXL/ZXS	27		
BOA-H/HE/HV/HEV	26	NORI 40 ZXLb/ZXSb	26		
BOA-R	41	NORI 40 ZXLbV/ZXSbV	26		
BOA-RFV	41	NORI 40 ZXLf/ZXSf	28		
BOA-RPL	40	NORI 40 ZYLB/ZYSB	26		
BOA-RVK	41	NORI 500 ZXSV	28		
BOA-S	47	NUCA/-A/-ES, Type V	43		
BOA-SuperCompact	25	NUCA/-A/-ES, Types I, II, IV	30		
BOAVENT-AVF	34				
BOAVENT-SIF	34	PROFIN-SI3	53		
BOAVENT-SVA	35	PROFIN-VT1	52		
BOAVENT-SVF	35	PROFIN-VT2	53		
BOA-W	25	PROFIN-VT3	54		
BOAX-B	49				
BOAX-CBV13	48	RGS	42		
BOAX-S/SF	48	RJN	43		
		RMD	61		
		RYN	43		
CLOSSIA	52				
COBRA-SGP/SGO/SGF	36	S/SR/SP	58		
COBRA-SMP	36	SERIE 2000	45		
COBRA-TDC01/03	47	SICCA 150-600 GLC	30		
CONDA-VLC	33	SICCA 150-600 GTC	38		
CONDA-VRC	34	SICCA 150-600 SCC	46		
CONDA-VSM	34	SICCA 800-2500 GTF	39		
CR/CM	58	SICCA 800-4500 GLF	30		
		SICCA 800-4500 PCF	42		
DANAIS 150	50	SICCA 900-2500 GLC	30		
DANAIS MTII	50	SICCA 900-3600 GTC	38		
DANAIS TBTII	51	SICCA 900-3600 SCC	46		
DUALIS	52	SISTO-10	54		
DYNACTAIR NG	60	SISTO-10M	54		
		SISTO-16	55		
ECOLINE BLC 1000	53	SISTO-16RGA	55		
ECOLINE BLT 150-300	53	SISTO-16S	55		
ECOLINE FYC 150-600	48	SISTO-16TWA/HWA/DLU	55		
ECOLINE FYF 800	48	SISTO-20	55		
ECOLINE GE1/GE2/GE3	57	SISTO-20NA	56		
ECOLINE GE4	57	SISTO-C	56		
ECOLINE GLB 150-600	27	SISTO-C LAP	61		
ECOLINE GLB 800	27	SISTO-DrainNA	56		
ECOLINE GLC 150-600	29	SISTO-KB	54		
ECOLINE GLF 150-600	29	SISTO-KRVNA	35		
ECOLINE GLF 800	29	SISTO-LAD	60		
ECOLINE GLV 150-600	30	SISTO-LAE	59		
ECOLINE GT 40	36	SISTO-LAP	60		
ECOLINE GTB 800	37	SISTO-RSK/RSKS	44		
ECOLINE GTC 150-600	37	SISTO-RSKNA	46		
ECOLINE GTF 150-600	38	SISTO-VentNA	35		
ECOLINE GTF 800	38	SMARTRONIC AS-i	64		
ECOLINE GTV 150-600	38	SMARTRONIC MA	64		
ECOLINE PTF 150-600	42	SMARTRONIC PC	65		
ECOLINE PTF 800	42	STAAL 100 AKD/AKDS	37		
ECOLINE SCC 150-600	45				

Our tradition:

Competence since 1871

We have supplied generations of customers worldwide with pumps, valves, automation products and services. A company with that kind of experience knows that success is a process based on a stream of innovations. A process made possible by a close working alliance between developer and user, between production and practice.

Partners achieve more together.

We do everything possible to ensure that our customers always have access to the ideal product and system solution.

KSB is a loyal partner:

- Over 147 years' experience
- Present in more than 100 countries
- More than 15,000 employees
- More than 170 service centres worldwide
- Approximately 3,000 service specialists





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
- Energy
- Mining
- Industry
- Building Services

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

www.ksb.com

KSB SupremeServ



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.





Industry 4.0: we have experience with the future

Digital networking of production systems is one of the key challenges ahead. An expert in engineering with long-standing experience in developing Industry 4.0 solutions, KSB is your ideal partner to achieve:

- Resource efficiency and optimised use of materials
- Availability and operating reliability
- Flexibility through short-term reconfigurability
- Reduction of time to market

Increase your system's productivity already today with KSB's smart products and services: Use our intelligent technologies designed to communicate, such as PumpDrive and PumpMeter, to lay a foundation for your smart factory. Find out more about our future-driven solutions at www.ksb.com/industry40

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 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/ZXSBBV	26			■	■	■		
	NORI 40 ZXLB/ZXSBB	26	■		■	■	■		
	NORI 40 ZYLB/ZYSBB	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 ZXS	28	■		■	■			
	NORI 500 ZXS	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 800-4500 GLF	30	■		■	■			
Globe valves for nuclear applications	NUCA/-A/-ES, Types I, II, IV	30	■			■			
	ZXNB	31	■			■			
	ZXNVB	31				■			
	ZYNB/ZYN	31	■			■			
Automated globe valves to DIN/EN	BOA-H Mat E	31	■		■	■	■		
	BOA-H Mat P	31	■		■	■	■		
Control valves to DIN/EN	BOA-CVE C/CS/W/IMS/EKB/IMS EKB	32	■	■	■		■		
	BOA-CVE H	32	■		■	■	■		
	BOA-CVP H	32	■		■	■	■		
Balancing and shut-off valves to DIN/EN	BOA-Control/BOA-Control IMS	33	■	■	■		■		
	BOA-Control SAR	33			■		■		
Level control valves to DIN/EN	CONDA-VLC	33		■					
Pressure reducing valves to DIN/EN	CONDA-VRC	34		■					
Pressure sustaining valves to DIN/EN	CONDA-VSM	34		■					
Air valves to DIN/EN	BOAVENT-AVF	34		■					
	BOAVENT-SIF	34		■					
	BOAVENT-SVA	35		■					
	BOAVENT-SVF	35		■					
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/SGF	36		■	■		■		
	COBRA-SMP	36		■	■		■		
	ECOLINE SP/SO	36		■	■		■		
	ECOLINE GT 40	36	■		■				
	STAAL 40 AKD/AKDS	36	■		■	■			
	STAAL 100 AKD/AKDS	37	■		■	■			
	AKG-A/AKGS-A	37	■		■	■			
	ZTS	37	■		■	■			
Gate valves to ANSI/ASME	ECOLINE GTB 800	37	■		■	■			■
	ECOLINE GTC 150-600	37	■		■	■			
	ECOLINE GTF 150-600	38	■		■	■			
	ECOLINE GTF 800	38	■		■	■			
	ECOLINE GTV 150-600	38	■		■	■			
	SICCA 150-600 GTC	38	■		■	■			
	SICCA 900-3600 GTC	38	■		■	■			
	SICCA 800-2500 GTF	39	■		■	■			
Gate valves for nuclear applications	ZTN	39	■			■			
Body pressure relief valve	UGS	39			■	■			
Knife gate valves to DIN/EN	HERA-BD	39	■	■	■		■	■	
Knife gate valves to ANSI/ASME	HERA-BDS	40	■	■	■			■	
	HERA-BHT	40	■	■	■			■	
	HERA-SH	40	■	■	■			■	
	HERA-SH	40	■	■	■			■	
Lift check valves to DIN/EN	BOA-RPL	40		■			■		
	BOA-RFV	41		■	■		■		
	BOA-RVK	41			■	■	■		
	BOA-R	41			■	■	■		
	NORI 40 RXL/RXS	41			■	■	■		
	NORI 160 RXL/RXS	41			■	■			
	RGS	42			■	■			
	BOACHEM-RXA	42			■		■		
Lift check valves to ANSI/ASME	ECOLINE PTF 150-600	42			■	■			
	ECOLINE PTF 800	42			■	■			
	SICCA 800-4500 PCF	42			■	■			
Lift check valves for nuclear applications	NUCA/-A/-ES, Type V	43				■			
	RJN	43				■			
	RYN	43	■			■			
Swing check valves to DIN/EN	ECOLINE WT/WTI	43			■		■		
	STAAL 40 AKK/AKKS	44			■	■			
	STAAL 100 AKK/AKKS	44			■	■			
	AKR/AKRS	44			■	■			
	ZRS	44			■	■			
	SISTO-RSK/RSKS	44		■	■	■		■	
	SISTO-RSK/RSKS	44		■	■	■		■	
	SISTO-RSK/RSKS	44		■	■	■		■	
Swing check valves to ANSI/ASME	ECOLINE SCC 150-600	45			■	■			
	ECOLINE SCF 150-600	45			■	■			
	ECOLINE SCF 800	45			■	■			
	ECOLINE SCV 150-600	45			■	■			
	SICCA 150-600 SCC	46			■	■			
	SICCA 900-3600 SCC	46			■	■			
	SICCA 900-3600 SCC	46			■	■			
Swing check valves for nuclear applications	SISTO-RSKNA	46				■			
	ZRN	46				■			
Tilting disc check valves to DIN/EN	COBRA-TDC01/03	47		■	■	■			

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	47			■	■	■		
	NORI 40 FSL/FSS	47			■	■	■		
	BOACHEM-FSA	47			■		■		
Strainers to ANSI/ASME	ECOLINE FYC 150-600	48			■	■			
	ECOLINE FYF 800	48			■	■			
Centred-disc butterfly valves	BOAX-CBV13	48		■	■	■	■		
	BOAX-S/SF	48	■				■		
	BOAX-B	49	■	■	■		■		
	ISORIA 10/16	49	■	■	■	■		■	
	ISORIA 20/25	49	■	■	■	■	■		
	ISORIA 20 UL	49	■		■				
	MAMMOUTH	49	■	■	■	■			
	KE	50	■	■	■				
Double-offset butterfly valves	APORIS-DEB02	50		■	■	■			
	DANAIS 150	50	■	■	■	■	■	■	
	DANAIS MTII	50	■		■	■		■	
	DANAIS TBTII	51	■		■				
Triple-offset butterfly valves	TRIODIS 150	51	■		■	■			
	TRIODIS 300	51	■		■	■			
	TRIODIS 600	51	■		■	■			
Butterfly valves for nuclear applications	CLOSSIA	52	■			■			
Combined butterfly/check valves	DUALIS	52		■					
Single-piece ball valves	MP-CI/MP-II	52	■	■					
	PROFIN-VT1	52		■	■		■		
Two-piece ball valves	ECOLINE BLT 150-300	53	■		■	■			■
	PROFIN-VT2	53		■	■		■		
Three-piece ball valves	ECOLINE BLC 1000	53	■		■	■			■
	PROFIN-SI3	53	■	■	■		■		
	PROFIN-VT3	54		■	■		■		
Soft-seated diaphragm valves to DIN/EN	SISTO-KB	54	■	■	■	■		■	
	SISTO-10	54	■	■	■	■			
	SISTO-10M	54	■	■	■	■	■		
	SISTO-16	55	■	■	■	■			
	SISTO-16S	55	■	■	■	■			
	SISTO-16RGA	55		■			■		
	SISTO-16TWA/HWA/DLU	55	■	■			■		
	SISTO-20	55	■		■	■			■
	SISTO-C	56	■	■					■
Diaphragm valves for nuclear applications	SISTO-20NA	56	■			■			
	SISTO-DrainNA	56				■			
Feed water bypass valves	ZJSVM/RJSVM	56	■		■	■			
Expansion and anti-vibration joints	ECOLINE GE1/GE2/GE3	57			■		■		
	ECOLINE GE4	57			■		■		

Actuators

Design/Application	Type series	Page	Water Transport and Treatment	Industry	Energy Conversion	Building Services	Solids Transport	Pharmaceuticals/ Food
Levers	CR/CM	58	■	■	■	■		
	S/SR/SP	58	■	■	■	■		
Manual gearbox	MN	58	■	■		■		
	MR	58	■	■	■	■	■	
Electric actuators	ACTELEC (AUMA)	59	■	■	■	■		
	ACTELEC (BERNARD CONTROLS)	59	■	■	■	■		
	SISTO-LAE	59	■	■	■	■	■	
Hydraulic actuators	HQ	59	■	■	■			
Pneumatic actuators	ACTAIR NG	60	■	■	■			
	DYNACTAIR NG	60	■	■	■			
	SISTO-LAD	60	■	■	■	■	■	
	SISTO-LAP	60	■	■	■	■	■	
	SISTO-C LAP	61						■
Control accessories	RMD	61	■	■	■	■		

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

Automation

Design/Application	Type series	Page	Water Transport and Treatment	Industry	Energy Conversion	Building Services	Solids Transport	Pharmaceuticals/ Food
Monitoring	AMTROBOX	62	■	■	■			
	AMTROBOX EEx ia	62	■	■	■			
	AMTROBOX ATEX Zone 22	62	■	■	■			
	AMTROBOX F	62	■		■	■		
	AMTROBOX M	62	■	■	■	■		
	AMTROBOX R	63	■	■	■			
	AMTROBOX R EEx ia	63	■	■	■			
	AMTROBOX R Ex d	63	■	■	■			
ON/OFF valve controllers	AMTRONIC	63	■	■	■			
	AMTRONIC Ex ia	64	■	■	■			
Positioners	SMARTRONIC MA	64	■	■	■			
	SMARTRONIC AS-i	64	■	■	■			
Intelligent positioners	SMARTRONIC PC	65	■	■	■			

Fluids handled

	BOA-SuperCompact BOA-Compact BOA-Compact EKB BOA-W	BOA-H BOA-H/HE/HV/HEV NORI 40 ZXLBV/ZXSbv NORI 40 ZXLb/ZXSb NORI 40 ZYLB/ZYSB BOACHEM-ZXAB/ZYAB	ECOLINE GLB 150-600 ECOLINE GLB 800	NORI 40 ZXL/ZXS NORI 40 ZXLf/ZXSf NORI 160 ZXL/ZXS NORI 160 ZXLf/ZXSf NORI 320 ZXSv NORI 500 ZXSv BOACHEM-ZXA ECOLINE VA 16	SICCA 150-600 GLC SICCA 900-2500 GLC SICCA 800-4500 GLF ECOLINE GLC 150-600 ECOLINE GLF 150-600 ECOLINE GLF 800 ECOLINE GLV 150-600
Abrasive fluids	Soft-seated globe valves to DINEN	Bellovs-type globe valves to DINEN	Bellovs-type globe valves to ANSI/ASME	Globe valves to DINEN with gland packing	Globe valves to ANSI/ASME with gland packing
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

	NUCA/-A/-ES, Types I, II, IV ZYNB/ZYN ZXNB ZXNVB				BOA-H Mat E BOA-H Mat P		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	Globe valves for nuclear applications				Automated globe valves to DIN/EN		Control valves to DIN/EN		Balancing and shut-off valves to DIN/EN		Level control valves to DIN/EN		Pressure reducing valves to DIN/EN	Pressure sustaining valves to DIN/EN	Air valves	Vent valves for nuclear applications				
Waste water with faeces																				
Waste water without faeces																				
Aggressive fluids																				
Inorganic fluids																				
Activated sludge																				
Brackish water																				
Service water																				
Steam																				
Distillate																				
Explosive fluids	Automated globe valves to DIN/EN				Control valves to DIN/EN		Balancing and shut-off valves to DIN/EN		Level control valves to DIN/EN		Pressure reducing valves to DIN/EN	Pressure sustaining valves to DIN/EN	Air valves	Vent valves for nuclear applications						
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	Automated globe valves to DIN/EN				Control valves to DIN/EN		Balancing and shut-off valves to DIN/EN		Level control valves to DIN/EN		Pressure reducing valves to DIN/EN	Pressure sustaining valves to DIN/EN	Air valves	Vent valves for nuclear applications						
High-temperature hot water																				
Heating water																				
Highly aggressive fluids																				
Condensate																				
Corrosive fluids																				
Valuable fluids																				
Fuels																				
Cooling water																				
Volatile fluids																				
Fire-fighting water	Automated globe valves to DIN/EN				Control valves to DIN/EN		Balancing and shut-off valves to DIN/EN		Level control valves to DIN/EN		Pressure reducing valves to DIN/EN	Pressure sustaining valves to DIN/EN	Air valves	Vent valves for nuclear applications						
Solvents																				
Seawater																				
Fluids containing mineral oils																				
Oils																				
Organic fluids																				
Polymerising/crystallising fluids																				
Radioactive fluids																				
Cleaning agents																				
Raw sludge																				
Lubricants	Automated globe valves to DIN/EN				Control valves to DIN/EN		Balancing and shut-off valves to DIN/EN		Level control valves to DIN/EN		Pressure reducing valves to DIN/EN	Pressure sustaining valves to DIN/EN	Air valves	Vent valves for nuclear applications						
Grey water																				
Brine																				
Feed water																				
Dipping paints																				
Drinking water																				
Vacuum																				
Thermal oils																				
Wash water																				

	Lift check valves to DIN/VEN	RGS BOACHEM-RXA	EOLINE PTF 150-600 EOLINE PTF 800 SICCA 800-4500 PCF	NUCA/-A/-ES, Type V RUN RYN	Swing check valves to DIN/VEN	EOLINE WT/WTI STAAL 40 AKK/AKKs STAAL 100 AKK/AKKs AKR/AKR S ZRS SISTO-RSK/RKS SERIE 2000	EOLINE SCC 150-600 EOLINE SCF 150-600 EOLINE SCV 800 EOLINE SCV 150-600 SICCA 150-600 SCC SICCA 900-3600 SCC	SISTO-RSKNA ZR N	COBRA-TDC01/03
Abrasive fluids									
Waste water with faeces									
Waste water without faeces									
Aggressive fluids		X							
Inorganic fluids									
Activated sludge									
Brackish water									
Service water			X						
Steam	X	X	X	X					
Distillate									
Explosive fluids	X	X							
Digested sludge									
Solids-laden fluids									
Solids (ore, sand, gravel, ash)									
Flammable fluids	X	X							
River, lake and groundwater									
Liquefied gas									
Fluids containing gas	X	X	X	X	X	X	X	X	
Gases	X	X	X	X	X			X	
Harmful fluids	X	X							
Toxic fluids	X	X		X	X			X	
High-temperature hot water	X	X	X	X	X	X	X	X	
Heating water			X		X				
Highly aggressive fluids		X							
Condensate		X	X			X	X		
Corrosive fluids		X				X	X		
Valuable fluids	X	X							
Fuels									
Cooling water			X	X	X		X	X	X
Volatile fluids	X	X					X		
Fire-fighting water			X				X		
Solvents									
Seawater								X	
Fluids containing mineral oils	X	X	X						
Oils	X	X	X				X		
Organic fluids									
Polymerising/crystallising fluids	X	X							
Radioactive fluids				X	X			X	
Cleaning agents									
Raw sludge									
Lubricants			X						
Grey water			X					X	
Brine									
Feed water	X	X	X	X			X		
Dipping paints									
Drinking water									
Vacuum									
Thermal oils		X	X						
Wash water			X						

Fluids handled

		BOA-S	NORI 40 FSL/FSS	BOACHEM-FSA	ECOLINE FYC 150-600	ECOLINE FYF 800	BOAX-CBV13	BOAX-S/SF	BOAX-B	ISORIA 10/16	ISORIA 20/25	ISORIA 20 UL	MAMMOUTH	KE	APORIS-DEB02	DANA'S 150	DANA'S MTII	DANA'S TBTII	TRIODIS 150	TRIODIS 300	TRIODIS 600	CLOSSIA	DUALIS
Abrasive fluids	Strainers to DINEN																						
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-VT2	ECOLINE BLC 1000 PROFIN-SI3 PROFIN-VT3	SISTO-KB SISTO-10 SISTO-10M SISTO-16 SISTO-16S SISTO-16RGA SISTO-16TWA/HWA/DLU SISTO-20 SISTO-C	SISTO-20NA SISTO-DrainNA	ZISVM/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

[illegible]

Applications

[illegible]

Applications

[illegible]

[illegible]




Applications

		BOA-S	NORI 40 FSL/FSS	BOACHEM-FSA	ECOLINE FYC 150-600	ECOLINE FYF 800		BOAX-CBV13	BOAX-S/SF	BOAX-B	ISORIA 10/16	ISORIA 20/25	ISORIA 20 UL	MAMMOUTH	KE		APORIS-DEB02	DANAIS 150	DANAIS MTII	DANAIS TBII		TRIODIS 150	TRIODIS 300	TRIODIS 600	CLOSSIA	DUALIS	
	Strainers to DIN/EN	■	■				Centred-disc butterfly valves	■	■	■	■	■		■		Double-offset butterfly valves	■	■	■		Triple-offset butterfly valves	■	■	■			
Spray irrigation																											
Mining		■	■					■	■	■	■	■						■	■	■		■	■	■			
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											■																
Paper and pulp 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		■	■	■							■	■			■			■									




		MP-CI/MP-II PROFIN-VT1	ECOLINE BLT 150-300 PROFIN-VT2	ECOLINE BLC 1000 PROFIN-SI3 PROFIN-VT3		SISTO-KB SISTO-10 SISTO-10M SISTO-16 SISTO-16S SISTO-16RGA SISTO-16TWA/HWA/DLU SISTO-20 SISTO-C	SISTO-20NA SISTO-DrainNA	ZISVM/RJSVM	ECOLINE GE1/GE2/GE3 ECOLINE GE4
		Single-piece ball valves	Two-piece ball valves	Three-piece ball valves		Soft-seated diaphragm valves to DIN/EN	Diaphragm valves for nuclear applications	Feed water bypass valves	Expansion and anti-vibration joints
	Spray irrigation	■	■	■	■	■			
	Mining	■	■	■	■	■			
	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					■			
	Paper and pulp 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	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.	
	DN	20 - 200		
	T [°C]	≥ -10 - ≤ +120	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.	
			http://shop.ksb.com/catalog/k0/en/product/ES000312	




BOA-Compact

	PN	6/16	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.	
	DN	15 - 200		
	T [°C]	≥ -10 - ≤ +120	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.	
			http://shop.ksb.com/catalog/k0/en/product/ES000310	

BOA-Compact EKB




	PN	10/16	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).	
	DN	15 - 200		
	T [°C]	≥ -10 - ≤ +80	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.	
			http://shop.ksb.com/catalog/k0/en/product/ES000311	

BOA-W




	PN	6/16	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.	
	DN	15 - 200		
	T [°C]	≥ -10 - ≤ +120	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.	
			http://shop.ksb.com/catalog/k0/en/product/ES000309	

Bellows-type globe valves to DIN/EN




BOA-H

	PN	16/25	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.	
	DN	15 - 350		
	T [°C]	≥ -10 - ≤ +350	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	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.	
	DN	10 - 350		
	T [°C]	≥ -10 - ≤ +450	Applications Industrial plants, building services, power stations 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/ES000329	




NORI 40 ZXLBV/ZXSBV

	PN	25/40	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.	
	DN	10 - 200		
	T [°C]	≥ -10 - ≤ +450	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/ES000334	

NORI 40 ZXLB/ZXSB

	PN	25/40	Description Bellows-type globe valve to DIN/EN with flanged ends (ZXLB), butt weld ends or socket weld ends (ZXSB), 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.	
	DN	10 - 200		
	T [°C]	≥ -10 - ≤ +450	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/ES000332	

NORI 40 ZYLB/ZYSB

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



m, e, p

<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.



m, e

<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.



m, e

<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.






m

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



NORI 40 ZXLF/ZXSf

	PN	25/40	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.	
	DN T [°C]	10 - 200 ≥ -10 - ≤ +450		
m, e, p			http://shop.ksb.com/catalog/k0/en/product/ES000341	



NORI 160 ZXL/ZXS

	PN	63 - 160	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.	
	DN T [°C]	10 - 200 ≥ -10 - ≤ +550		
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	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.	
	DN	10 - 200		
	T [°C]	≥ -10 - ≤ +550		
m, e, p			http://shop.ksb.com/catalog/k0/en/product/ES000345	

NORI 320 ZXSV

	PN	250 - 320	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.	
	DN T [°C]	10 - 50 ≥ -10 - ≤ +580		
m, e, p			http://shop.ksb.com/catalog/k0/en/product/ES000347	

NORI 500 ZXSV

	PN	250 - 500	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.	
	DN T [°C]	10 - 65 ≥ -10 - ≤ +650		
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/ES000354>

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/ES000775>

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/ES000426>

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/ES000796>

ECOLINE GLV 150-600



Class 150 - 600
NPS [inch] 2 - 12
T [°C] ≥ -29 - $\leq +593$

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, 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] ≥ 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] ≥ 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 800-4500 GLF



Class 800 - 4500
NPS [inch] ¼ - 2
T [°C] ≥ 0 - $\leq +816$

Description

Globe valve to ANSI/ASME with NPT (F) threaded ends or socket weld ends, with 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] ≥ -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/ES000458>

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/ES000457>

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/ES000331>

Automated globe valves to DIN/EN

BOA-H Mat E



PN	16/25
DN	20 - 150
T [°C]	≥ -10 - ≤ +350

Description

Automated globe valve to DIN/EN with flanged ends, with electric actuator and 3-point actuation, actuating forces from 2000 N to 14,000 N, stem sealed by maintenance-free PTFE V-packing (up to 250 °C) or graphite gland packing (up to 350 °C).

Applications

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



e

<http://shop.ksb.com/catalog/k0/en/product/ES000801>

BOA-H Mat P



PN	16/25
DN	20 - 150
T [°C]	≥ -10 - ≤ +350

Description

Automated globe valve to DIN/EN with flanged ends, with pneumatic actuator in spring-to-open or spring-to-close design on option, actuating forces from 1500 N to 26,000 N, stem sealed by maintenance-free PTFE V-packing (up to 250 °C) or graphite gland packing (up to 350 °C).

Applications

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






p




<http://shop.ksb.com/catalog/k0/en/product/ES000885>

Control valves to DIN/EN




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

	PN	6/10/16	Description Control valve to DIN/EN based on standard type series BOA-Compact, BOA-SuperCompact, BOA-W, BOA-Compact EKB and BOA-Control IMS, 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.	
	DN	15 - 200		
	T [°C]	≥ -10 - ≤ +120		
	 e			
http://shop.ksb.com/catalog/k0/en/product/ES000326				

BOA-CVE H




	PN	16/25/40	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.	
	DN	15 - 200		
	T [°C]	≥ -10 - ≤ +450		
	 e			
http://shop.ksb.com/catalog/k0/en/product/ES000772				

BOA-CVP H




	PN	16/25/40	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.	
	DN	15 - 200		
	T [°C]	≥ -10 - ≤ +450		
	 p			
http://shop.ksb.com/catalog/k0/en/product/ES000662				

Balancing and shut-off valves to DIN/EN

BOA-Control/BOA-Control IMS



	PN	16	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.
	DN	15 - 350	
	T [°C]	≥ -10 - ≤ +120	
			
			http://shop.ksb.com/catalog/k0/en/product/ES000323

BOA-Control SAR

	PN	16	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.
	DN	10 - 50	
	T [°C]	≥ -25 - ≤ +150	
			
			http://shop.ksb.com/catalog/k0/en/product/ES000324



Level control valves to DIN/EN

CONDA-VLC

	PN	16	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.
	DN	25 - 300	
	T [°C]	≥ -10 - ≤ +70	
			
			http://shop.ksb.com/catalog/k0/en/product/ES000835



Pressure reducing valves to DIN/EN

CONDA-VRC

	PN	16/25/40/63	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.	
	DN	15 - 150		
	T [°C]	≥ -10 - ≤ +70		
	http://shop.ksb.com/catalog/k0/en/product/ES000834			



Pressure sustaining valves to DIN/EN

CONDA-VSM



	PN	16/25/40	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.	
	DN	50 - 150		
	T [°C]	≥ -10 - ≤ +70		
	http://shop.ksb.com/catalog/k0/en/product/ES000678			

Air valves to DIN/EN

BOAVENT-AVF

	PN	16	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.	
	DN	50 - 300		
	T [°C]	≥ -10 - ≤ +120		
http://shop.ksb.com/catalog/k0/en/product/ES000831				

BOAVENT-SIF

	PN	16	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.	
	DN	25 - 200		
	T [°C]	≥ -10 - ≤ +70		
http://shop.ksb.com/catalog/k0/en/product/ES000832				

BOAVENT-SVA



PN 16
DN 50 - 200
T [°C] $\geq -10 - \leq +60$

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] $\geq -10 - \leq +70$

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
DN 15
T [°C] $\geq -20 - \leq +100$

Description
Soft-seated vent valve with butt weld ends, for nuclear applications

Applications
Heating systems, air-conditioning systems.



<http://shop.ksb.com/catalog/k0/en/product/ES000842>

SISTO-KRVNA



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

Description
Vent valve with flanged or butt weld ends, for nuclear applications, soft-seated, with floating ball.



Applications
Tank venting, drainage systems.



<http://shop.ksb.com/catalog/k0/en/product/ES000839>

Gate valves to DIN/EN



COBRA-SGP/SGO/SGF

	PN	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	25 - 600		
	T [°C]	≥ -10 - ≤ +110		
m, e			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		
m, e			http://shop.ksb.com/catalog/k0/en/product/ES000829	



ECOLINE SP/SO

	PN	10/16/25	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.	
	DN	40 - 600		
	T [°C]	≥ -10 - ≤ +110		
m, e			http://shop.ksb.com/catalog/k0/en/product/ES000654	

ECOLINE GT 40

	PN	10 - 40	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.	
	DN	50 - 800		
	T [°C]	≥ -10 - ≤ +400		
m, e			http://shop.ksb.com/catalog/k0/en/product/ES000676	

STAAL 40 AKD/AKDS

	PN	10 - 40	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.	
	DN	50 - 900		
	T [°C]	≥ -10 - ≤ +530		
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
Class	4500
DN	50 - 800
NPS [inch]	2 - 32
T [°C]	≥ -10 - ≤ +650

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.

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/ES000375>

Gate valves to ANSI/ASME

ECOLINE GTB 800



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

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.

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.



m, e

<http://shop.ksb.com/catalog/k0/en/product/ES000903>

ECOLINE GTC 150-600



Class	150 - 600
NPS [inch]	2 - 24
T [°C]	≥ 0 - ≤ +649

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.

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/ES000774>




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. Applications Industrial applications, power stations, process engineering, refineries, oil and marine applications; water, steam, gas, oil and other non-aggressive fluids.	
	NPS [inch] T [°C]	½ - 2 ≥ 0 - ≤ +816		
 m, e			http://shop.ksb.com/catalog/k0/en/product/ES000611	




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] T [°C]	½ - 2 ≥ 0 - ≤ +593		
Applications Industrial applications, power stations, process engineering, refineries, oil and marine applications; water, steam, gas, oil and other non-aggressive fluids.				
			http://shop.ksb.com/catalog/k0/en/product/ES000797	




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, 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 - ≤ +593		
 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		
			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 800-2500 GTF



Class 150 - 2500
NPS [inch] ¼ - 2½
T [°C] ≥ 0 - ≤ +816

Description

Gate valve to ANSI/ASME with NPT (F) threaded ends or socket weld ends, with 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.



m, e

<http://shop.ksb.com/catalog/k0/en/product/ES000479>

Gate valves for nuclear applications

ZTN



PN ≤ 320
DN 80 - 700
T [°C] ≥ -29 - ≤ +365

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.



m, e, p

<http://shop.ksb.com/catalog/k0/en/product/ES000456>

Body pressure relief valves

UGS



PN ≥ 40
DN 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 10
DN 50 - 1200
T [°C] ≥ -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	150	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.	
	DN	50 - 600		
	T [°C]	≥ -10 - ≤ +120		
m, e, p			http://shop.ksb.com/catalog/k0/en/product/ES000895	

HERA-BHT



	Class	150	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.	
	DN	80 - 600		
	T [°C]	≥ -10 - ≤ +100		
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		
m, e, p			http://shop.ksb.com/catalog/k0/en/product/ES000844	

Lift check valves to DIN/EN

BOA-RPL

	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 - 400		
	T [°C]	≥ -10 - ≤ +70		
			http://shop.ksb.com/catalog/k0/en/product/ES000635	

BOA-RFV



PN	10/16/25/40/63
DN	40 - 600
T [°C]	≥ -10 - ≤ +90

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.

<http://shop.ksb.com/catalog/k0/en/product/ES000653>

BOA-RVK



PN	6/10/16
DN	15 - 200
T [°C]	≥ -20 - ≤ +250

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.



<http://shop.ksb.com/catalog/k0/en/product/ES000357>

BOA-R



PN	6/16
DN	15 - 350
T [°C]	≥ -10 - ≤ +350

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.



<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/ES000358>

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/ES000360>

RGS



	PN	250 - 500	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.	
	DN	10 - 50		
	T [°C]	≥ -10 - ≤ +580		
	http://shop.ksb.com/catalog/k0/en/product/ES000364			

BOACHEM-RXA



	PN	10 - 40	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.	
	DN	15 - 400		
	T [°C]	≥ -10 - ≤ +400		
http://shop.ksb.com/catalog/k0/en/product/ES000366				

Lift check valves to ANSI/ASME



ECOLINE PTF 150-600

	Class	150 - 600	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.	
	NPS [inch]	½ - 2		
	T [°C]	≥ 0 - ≤ +816		
	http://shop.ksb.com/catalog/k0/en/product/ES000424			

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. Applications Industrial plants, power stations, process engineering, refineries, oil and marine applications; for water, steam, gas, oil and other non-aggressive fluids.	
	NPS [inch]	½ - 2		
	T [°C]	≥ 0 - ≤ +593		
http://shop.ksb.com/catalog/k0/en/product/ES000374				

SICCA 800-4500 PCF

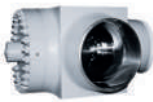

	Class	800 - 4500	Description Lift check valve to ANSI/ASME with NPT (F) threaded ends or socket weld ends, with spring-loaded valve disc, bolted cover (Class 800) or welded cover (Class 1500/2500/4500), Stellite hard-faced body seat, disc seating face made of Stellite hard-faced 13 % chrome steel, with graphite gasket. Available in carbon steel and alloy steel. Applications Refineries, 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/ES000481	
	NPS [inch]	¼ - 2		
	T [°C]	≥ 0 - ≤ +816		

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. Applications Feed water and live steam systems.	
	DN	10 - 50		
	T [°C]	≥ -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. Applications Feed water and live steam systems.	
	DN	80 - 600		
	T [°C]	≥ -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. Applications Feed water and live steam systems.	
	DN	65 - 300		
	T [°C]	≥ -29 - ≤ +365		
http://shop.ksb.com/catalog/k0/en/product/ES000333				

Swing check valves to DIN/EN



ECOLINE WT/WTI

	PN	16	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.	
	DN	50 - 300		
	T [°C]	≥ -10 - ≤ +110		
http://shop.ksb.com/catalog/k0/en/product/ES000638				



STAAL 40 AKK/AKKS

	PN	10 - 40	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.	
	DN	80 - 400		
	T [°C]	≥ -10 - ≤ +450		
			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	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.	
	DN	80 - 400		
	T [°C]	≥ -10 - ≤ +530		
			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	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.	
	DN	80 - 300		
	T [°C]	≥ -10 - ≤ +550		
			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	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.	
	DN	50 - 800		
	T [°C]	≥ -10 - ≤ +650		
			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
Class	150/300
DN	50 - 600
T [°C]	≥ -196 - ≤ +538

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.

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.



<http://shop.ksb.com/catalog/k0/en/product/ES000393>

Swing check valves to ANSI/ASME

ECOLINE SCC 150-600



Class	150 - 600
NPS [inch]	2 - 24
T [°C]	≥ 0 - ≤ +816

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.

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
NPS [inch]	½ - 2
T [°C]	≥ 0 - ≤ +816

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.

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
NPS [inch]	½ - 2
T [°C]	≥ 0 - ≤ +593

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.

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
NPS [inch]	2 - 12
T [°C]	≥ -29 - ≤ +593

Description

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, with bolted cover, integral seat, stainless steel/graphite gaskets.

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	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	
	DN	100 - 1000		
	T [°C]	≥ -10 - ≤ +70		
http://shop.ksb.com/catalog/k0/en/product/ES000830				

Strainers to DIN/EN



BOA-S

	PN	6/16/25	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.	
	DN	15 - 400		
	T [°C]	≥ -10 - ≤ +350		
http://shop.ksb.com/catalog/k0/en/product/ES000401				

NORI 40 FSL/FSS

	PN	25/40	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.	
	DN	15 - 300		
	T [°C]	≥ -10 - ≤ +450		
http://shop.ksb.com/catalog/k0/en/product/ES000523				

BOACHEM-FSA

	PN	10 - 40	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.	
	DN	15 - 400		
	T [°C]	≥ -10 - ≤ +400		
http://shop.ksb.com/catalog/k0/en/product/ES000402				

Strainers to ANSI/ASME

ECOLINE FYC 150-600



Class
NPS [inch]
T [°C]

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

800
½ - 2
≥ 0 - ≤ +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
DN
T [°C]

10/16
50 - 1200
≥ -10 - ≤ +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
DN
T [°C]

6/10/16
20 - 600
≥ -10 - ≤ +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 models); 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. Applications Engineering contractors. General water circuits, fuel oil, oil. Shut-off and control duties in water management, for water supply and water treatment, drainage and irrigation.
	DN	40 - 1000	
	T [°C]	≥ -10 - ≤ +110	
 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. 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.	
	DN	1050 - 4000		
	T [°C]	≥ 0 - ≤ +80		
 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	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	150 - 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. 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)	
	Class	150/300		
	DN	50 - 600		
	T [°C]	≥ -50 - ≤ +260		
 m, e, h, p + AMTROBOX/AMTRONIC/SMARTRONIC			http://shop.ksb.com/catalog/k0/en/product/ES000381	

DANAİS 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.



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

<http://shop.ksb.com/catalog/k0/en/product/E5000815>

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/SMARTRONIC

<http://shop.ksb.com/catalog/k0/en/product/E5000816>

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/SMARTRONIC

<http://shop.ksb.com/catalog/k0/en/product/E5000817>

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/SMARTRONIC

<http://shop.ksb.com/catalog/k0/en/product/E5000818>



Butterfly valves for nuclear applications

CLOSSIA

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


Combined butterfly/check valve

DUALIS


	DN	500 - 1400	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.	
	T [°C]	≥ -10 - ≤ +65		
http://shop.ksb.com/catalog/k0/en/product/ES000905				

Single-piece ball valves

MP-CI/MP-II




	PN	16	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.
	DN	15 - 150	
	T [°C]	≥ -10 - ≤ +200	
m, p + AMTROBOX/AMTRONIC			
http://shop.ksb.com/catalog/k0/en/product/ES000625			

PROFIN-VT1



	PN	40	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.
	DN	8 - 50	
	T [°C]	≥ -40 - ≤ +150	
	m		

Two-piece ball valves

ECOLINE BLT 150-300




	Class	150 / 300	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.	
	DN	15 - 300		
	T [°C]	≥ -10 - ≤ +200		
 m, e, p			http://shop.ksb.com/catalog/k0/en/product/E5000795	

PROFIN-VT2




	PN	40	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.	
	DN	8 - 80		
	T [°C]	≥ -40 - ≤ +150		

Three-piece ball valves

ECOLINE BLC 1000

	Class	1000 WOG	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.	
	DN	8 - 100		
	T [°C]	≥ -10 - ≤ +200		
 m, p			http://shop.ksb.com/catalog/k0/en/product/ES000794	

PROFIN-SI3

	PN	16/40	Description Ball valve to ANSI/ASME with flanged ends, threaded ends (BSP) or long butt weld ends, three-piece body, full bore, solid ball, 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.	
	DN	15 - 100		
	T [°C]	≥ -40 - ≤ +150		
				

PROFIN-VT3



PN	40
DN	8 - 100
T [°C]	≥ -40 - ≤ +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, 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 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

Soft-seated diaphragm valves to DIN/EN

SISTO-KB



PN	10
DN	15 - 200
T [°C]	≥ -20 - ≤ +140

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.

Applications

Building services, industry, power stations; suitable for abrasive and aggressive products such as service water, waste water, acids, alkaline solutions, sludges and suspensions.



■ m, e, p

<http://shop.ksb.com/catalog/k0/en/product/ES000314>

SISTO-10



PN	10
DN	15 - 300
T [°C]	≥ -20 - ≤ +160

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.

Applications

Industrial plants, chemical engineering, process engineering, for service water, air, oil, abrasive and aggressive fluids.



■ m, e, p

<http://shop.ksb.com/catalog/k0/en/product/ES000315>

SISTO-10M



PN	10
DN	15 - 80
T [°C]	≥ -10 - ≤ +140

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.

Applications

Industrial plants, chemical engineering, process engineering, for service water, air, oil, abrasive and aggressive fluids.



■ m, e, p

<http://shop.ksb.com/catalog/k0/en/product/ES000513>

SISTO-16



PN 16
DN 15 - 200
T [°C] $\geq -10 - \leq +160$

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.

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
DN 15 - 200
T [°C] $\geq -20 - \leq +160$

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.

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
DN 15 - 80
T [°C] $\geq -10 - \leq +90$

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.

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/HWA/DLU



PN 16
DN 15 - 200
T [°C] $\geq -10 - \leq +140$

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.

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
DN 15 - 200
T [°C] $\geq -20 - \leq +160$

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.



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	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.	
	DN	6 - 200		
	T [°C]	≥ -20 - ≤ +160		
m, p			http://shop.ksb.com/catalog/k0/en/product/ES000320	

Diaphragm valves for nuclear applications

SISTO-20NA



	PN	20	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.	
	DN	8 - 150		
	T [°C]	≥ -20 - ≤ +100		
m, e, p			http://shop.ksb.com/catalog/k0/en/product/ES000840	

SISTO-DrainNA

	PN	16	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.	
	DN	15 - 25		
	T [°C]	≥ -20 - ≤ +100		
m			http://shop.ksb.com/catalog/k0/en/product/ES000841	


Feed water bypass valves

ZJSVM/RJSVM


	PN	≤ 600	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.	
	DN	100 - 800		
	T [°C]	≥ -10 - ≤ +450		
m, e, p				

Expansion and anti-vibration joints

ECOLINE GE1/GE2/GE3



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

ECOLINE GE4



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

Levers

CR/CM



	T [°C]	≥ -20 - ≤ +80	Description Lever made of ductile 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.	
	Applications All applications in building services, water engineering, energy engineering, and industry.			
	http://shop.ksb.com/catalog/k0/en/product/ES000501			

S/SR/SP

	T [°C]	≥ -20 - ≤ +80	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.	
			Applications All applications in water engineering, energy engineering, and industry.	
http://shop.ksb.com/catalog/k0/en/product/ES000501				

Manual gearboxes

MN



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

MR



	Output torque [Nm]	≤ 16000	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.	
	Enclosure	IP67/IP68		
			Applications Building services, industry and process engineering, water management, waste water management, energy, petroleum and natural gas, mining, dredgers and shipbuilding.	
			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 All applications in water engineering, energy and industrial engineering.	
	Output torque [Nm]	≤ 8000		
	T [°C]	≥ -20 - ≤ +80		
http://shop.ksb.com/catalog/k0/en/product/ES000407				

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. Applications All applications in water engineering, energy and industrial engineering.	
	Multi-turn actuator	31 - 1600		
	Enclosure	IP67		
	Output torque [Nm]	≤ 16000		
http://shop.ksb.com/catalog/k0/en/product/ES000407				

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			
	Enclosure	IP67	Applications Building services, industry, power stations, food industry, chemical industry.	
	Output torque [Nm]	≤ 250		
http://shop.ksb.com/catalog/k0/en/product/ES000405				




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			
 AMTROBOX http://shop.ksb.com/catalog/k0/en/product/ES000924				

Pneumatic actuators



ACTAIR NG

	Output torque [Nm] at a control pressure of 6 bar	≤ 8000	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.	
	Enclosure T [°C]	IP68 ≥ -50 - ≤ +150		
			Applications All applications in water engineering, energy and industrial engineering.	
			http://shop.ksb.com/catalog/k0/en/product/ES000411	



DYNACTAIR NG

	Output torque [Nm] at a control pressure of 6 bar	≤ 4000	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 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.	
	Enclosure T [°C]	IP68 ≥ -50 - ≤ +150		
			Applications All applications in water engineering, energy and industrial engineering.	
			http://shop.ksb.com/catalog/k0/en/product/ES000412	



SISTO-LAD

	Control air pressure [bar]	≤ 6	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.	
	Closing force [N]	≤ 20000		
			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/ES000805				

SISTO-LAP


	Control air pressure [bar]	5,5 - 10	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.	
	Closing force [N]	≤ 250000		
			Applications Building services, industry, power stations, food and beverage industries, and chemical industry. The pneumatic actuators can also be used in potentially explosive atmospheres.	
http://shop.ksb.com/catalog/k0/en/product/ES000409				

SISTO-C LAP

	<p>Control air pressure [bar] Closing force [N]</p>	<p>5,5 - 7 ≤ 20000</p>	<p>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.</p> <p>Applications Biotechnology, pharmaceutical industry, sterile processes, food and beverage industry.</p>	
				http://shop.ksb.com/catalog/k0/en/product/ES000320



Actuator accessories

RMD



	<p>Enclosure T [°C]</p>	<p>IP65 ≥ -20 - ≤ +80</p>	<p>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.</p> <p>Applications All applications in water engineering, energy engineering, and industry.</p>
---	-----------------------------	-------------------------------	--

Monitoring



AMTROBOX

	Enclosure T [°C]	IP67 ≥ -20 - ≤ +80	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.	
			Applications All applications in water engineering, building services and energy engineering.	
http://shop.ksb.com/catalog/k0/en/product/ES000463				



AMTROBOX EEx ia

	Enclosure T [°C]	IP67 ≥ -10 - ≤ +50	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. Applications All applications in water engineering, building services and energy engineering.	
http://shop.ksb.com/catalog/k0/en/product/ES000463				



AMTROBOX ATEX Zone 22

	Enclosure T [°C]	IP67 ≥ -10 - ≤ +60	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).	
			Applications All applications in water engineering, building services and energy engineering.	
http://shop.ksb.com/catalog/k0/en/product/ES000463				

AMTROBOX F

	Enclosure T [°C]	IP67 ≥ -25 - ≤ +70	Description Limit switch box specially designed for levers and all actuators with ISO 5211 interface for signalling open or closed position via proximity sensors. It can be used with type series S or C levers and ACTAIR NG/ DYNACTAIR NG pneumatic actuators. Thanks to its particularly low height (< 5 mm), it can be mounted between any valve and actuator with ISO 5211 interface. Applications All applications in water engineering, building services and energy engineering.	
			Applications All applications in water engineering, building services and energy engineering.	
http://shop.ksb.com/catalog/k0/en/product/ES000463				

AMTROBOX M

	Enclosure T [°C]	IP65 ≥ -20 - ≤ +80	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).	
			Applications All applications in water engineering, building services and energy engineering.	
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

All applications in 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

All applications in water engineering, energy engineering, offshore plants and heavy industry.



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

AMTROBOX R Ex d



Enclosure
T [°C]

IP68
≥ -25 - ≤ +70

Description

Sturdy and multi-functional. For open/closed position signalling via mechanical limit switches or proximity sensors. AMTROBOX R Exd (R1189): intrinsically safe version for potentially explosive atmospheres.

Applications

All applications in 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 and 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. AMTRONIC can be integrated in field bus environments with Profibus DP protocol and especially AS-i protocol.



Applications

All applications in water engineering, energy engineering, and industry.





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

AMTRONIC Ex ia



	Enclosure	IP67	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 All applications in water engineering, energy engineering, and industry.	
	Control air pressure [bar] T [°C]	3 - 8 ≥ -10 - ≤ +50		
	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. Applications All applications in water engineering, energy engineering, and industry.	
	Control air pressure [bar]	2 - 7		
	T [°C]	≥ -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. Applications All applications in water engineering, energy engineering, and industry.	
	Control air pressure [bar]	3 - 8		
	T [°C]	≥ -20 - ≤ +80		
http://shop.ksb.com/catalog/k0/en/product/ES000874				

Intelligent positioners

SMARTRONIC PC

	<div> Enclosure Control air pressure [bar] T [°C] </div> <div> IP67 3 - 8 ≥ -20 - ≤ +80 </div>	<div> Description <p>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.</p> <p>Applications</p> <p>All applications in water engineering, energy engineering, and industry.</p> </div> <div>  </div>
http://shop.ksb.com/catalog/k0/en/product/ES000873		

Legal information/Copyright

Product Portfolio Valves | Actuators | Automation

All rights reserved. The contents provided herein must neither be distributed, copied, reproduced, edited or processed for any other purpose, nor otherwise transmitted, published or made available to a third party without the manufacturer's express written consent.

Subject to technical modification without prior notice.

© KSB SE & Co. KGaA, Frankenthal 28/11/2019



Technology that **makes its mark**

The KSB Newsletter –
don't miss out, sign up now:
www.ksb.com/newsletter



KSB SE & Co. KGaA
Johann-Klein-Straße 9 • 67227 Frankenthal (Germany)
Tel. +49 6233 86-0
www.ksb.com

You can also visit us at
www.ksb.com/socialmedia