

## Energy-saving BOAX-S and BOAX-SF butterfly valves: Hot or cold – one valve fits all.



### Your benefits

- **Optimised KV/zeta values**  
Designed with optimised flow path to reduce energy costs (see table overleaf).
- **No condensation, no heat losses**  
Anti-condensation protection with large surface facilitating quick and easy mounting of insulation.
- **Permanently tight shut-off**  
Spherically machined valve disc with rounded sealing contour.
- **Various gear units available**  
Planetary gear (MA) in IP 67 enclosure for outdoor installation. Ideal in confined spaces.  
Worm gears (MN and MR) in IP 65 and IP 67 enclosure.
- **Safety at a reasonable price**  
Lockable or lead-sealable lever prevents unauthorised or unintentional operation (DN 20– 250).

# BOAX-S/-SF: Maintenance-free soft-seated centred-disc butterfly valves

	<b>KSB</b> AMRI butterfly valves BOAX-S & -SF	<b>ARI</b> ZESA & GESA ZIVA-Z & ZIVA-G	<b>EBRO</b> Z011A & Z014A
<b>Heating and air-conditioning</b>	DN 20-200 PN 16 ΔP 16 bar DN 250-600 PN 16 ΔP 10 bar Body JS1030 (nodular cast iron)	DN 20-150 PN 16 ΔP 16 bar DN 200-600 PN 16 ΔP 10 bar Body JS1030 (nodular cast iron)	DN 20-300 PN 16 ΔP 10 bar DN 350-500 PN 6 ΔP 6 bar Body Z011A: JL1040 (grey cast iron) Z014A: JS1030 (nodular cast iron)
<b>Drinking water</b>	Liner EPDM (XU) DVGW T +130 °C	Liner EPDM DVGW T +130 °C	Liner EPDM T +130 °C  DN 20-300 PN 16 ΔP 10 bar  Body Z011A: JL1040 (grey cast iron) Z014A: JS1030 (nodular cast iron)  Liner EPDM DVGW T +100 °C

DN	KSB BOAX-S / -SF		ARI				EBRO Z011A / Z014A	
	Kv	Zeta	Kv	Zeta	Kv	Zeta	Kv	Zeta
20	15	1.14					32	0.39
25	40	0.39	20	1.52	26	0.93	36	0.81
32	55	0.55	24	2.93	26.5	2.4	40	1.92
40	65	0.97	41	2.42	49.6	1.7	50	2.21
50	130	0.59	98	1.03	116	0.75	85	1.62
65	275	0.38	190	0.79	259	0.43	215	0.74
80	500	0.26	302	0.72	377	0.46	420	0.37
100	750	0.28	550	0.53	763	0.27	800	0.33
125	1650	0.14	930	0.45	1030	0.37	1010	0.37
150	2600	0.12	1525	0.35	1790	0.25	2100	0.24
200	4100	0.15	3000	0.29	3460	0.21	4000	0.18
250	6550	0.15	5000	0.25	5070	0.24	6400	0.16
300	8550	0.18	7300	0.24	7430	0.23	8500	0.19
350	11100	0.19	10260	0.23	10320	0.23	11500	0.18
400	14600	0.19	13140	0.24	13290	0.23	14500	0.18
450	18200	0.2					20500	0.15
500	22100	0.2	20750	0.23	21180	0.22	21000	0.21
600	30200	0.23	30430	0.22			29300	0.23

Comparison data last updated in March 2009

More information: [ksb.com/products](http://ksb.com/products)



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