

Leakage class (EN 1349)

metal-to-metal seal: 0.004% Kvs (better than class IV)

baelz 365 & 365-2

DESCRIPTION

The baelz 365 / 365-2 ANSI 300 valve is a flanged and pressure rated 2-way control valve in accordance with US ANSI / ASME standards.

TECHNICAL SPECIFICATIONS

Connection type: ASME / ANSI B16.5 flange

Plug type: parabolic plug

Control characteristic: equal percentage

Working fluids: liquids, gases, water, steam, thermal oil

For NPS 1 1/2" - 4", designation = baelz 365-2
 For NPS 6", designation = baelz 365.
 Other sizes available on request.

Technical Specifications		Designation
Housing material	1.0619 (1.0432) / SA216WCB (SA105)	baelz 365-2... / baelz 365...
T max. / P max.	450 °F/620 psi; 100 °F/740 psi 232 °C/42,7 bar; 38 °C/51.1 bar	baelz 365-2...
	650 °F/550 psi; 100 °F/740 psi 343 °C/37,9 bar; 38 °C/51.1 bar	baelz 365-2-K...
	650 °F/362 psi; 100 °F/362 psi 343 °C/25 bar; 38 °C/25 bar	baelz 365-K-SS...
Plug	Parabolic plug (standard)	baelz 365-2... / baelz 365...
Cooling tube / Spindle seal	V-rings in PTFE standard	baelz 365-2... / baelz 365...
	Cooling tube	baelz 365-2-K...
	Cooling tube + double-wall stainless steel bellows seal and safety gland	baelz 365-2-K-SS... / baelz 365-K-SS...
Additional options	V-shaped seal heating (for fluids at temperatures of - 10 to - 40°C) Pmax. 20 W; 12-24 V / 110-230 V AC/DC	baelz 85950...

baelz 365 & 365-2 ANSI 300 valve stroke, seat diameter and Kvs values						
NPS	1 1/2"	2"	2 1/2"	3"	4"	6"
Stroke (")	0.87	0.87	0.87	0.87	0.87	1.73
Seat Ø (")	1.57	1.97	2.55	3.15	3.93	5.9
Cv (US GPM)	29.2	42.0	73.5	122.6	165.8	420
Nominal diameter, DN (mm)	40	50	65	80	100	150
Stroke (mm)	22	22	22	22	22	44
Seat Ø (mm)	40	50	65	80	100	150
Kvs value (m³/h)	25	36	63	105	142	360

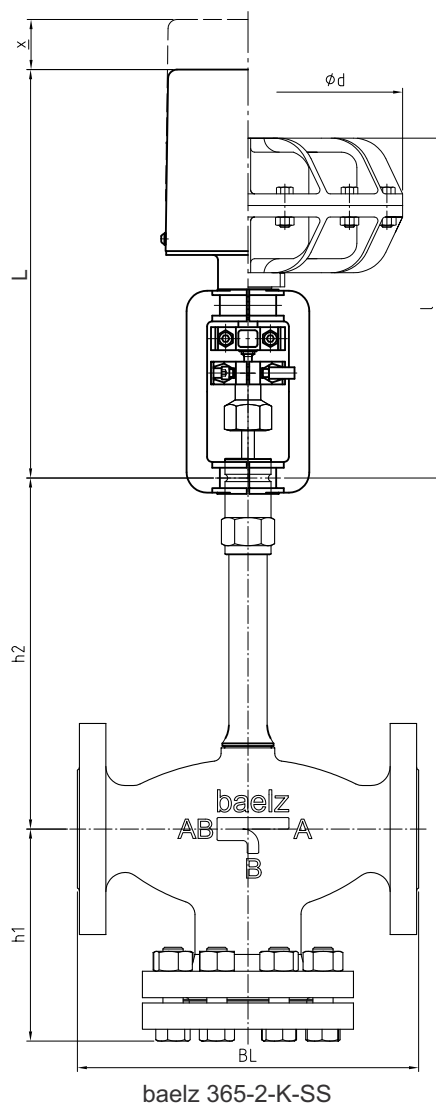
Note: As we are constantly improving our products, there is more than one series of this article. When ordering spares or parts for an existing system, please state the old serial numbers and, if in doubt, contact Baelz. We'll be pleased to help.

Actuator	Dimensions of the Baelz actuators									
	L		x		Ød		l		ØD	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
E07	12.60	320	5.71	145	5.0	129				
E07-OSX	13.94	354	5.71	145	5.0	129				
E 45	13.66	347	5.9	150	6.81	173				
E 65	12.17	309	-	-	9.06	230 wide*				
E 66	24.17/43.19 ⁺	614/1094 ⁺	7.87	200	7.40	188				
P 21							10.6	268	9.5	242
P 21-V6							11.9	304	9.5	242
P22							12.68	322	9.5	242

⁺ with yoke S41/with yoke S41C

* dimensions, see datasheet of actuator E65

baelz 365-K-SS & 365-2-K-SS approximate dimensions and weights									
NPS / DN		BL		h1		h2		weight	
in.	mm	in.	mm	in.	mm	in.	mm	lbs	kg
1 1/2"	40	9.25	235	5.94	151	11.14	283	26.1	11.8
2"	50	10.51	267	6.61	168	11.54	293	40.1	18.2
2 1/2"	65	11.5	292	7.24	184	12.32	313	54.7	24.8
3"	80	12.52	318	7.83	199	12.72	323	69.7	31.6
4"	100	14.49	368	8.98	228	13.31	338	115	51.9
6"	150	17.62	473	11.42	290	on request		262	118



Maximum differential pressure ΔP_{max} (bar) at which the actuator closes the valve completely
 The differential pressures specified here are limited by the nominal pressure of the housings, if this is lower.

Electric actuators. Plug closes against the flow.

Actuator baelz 373-	Power (N)	DN (mm) / maximum differential pressure ΔP_{max} (bar)							
		40	50	65	80	100	125	150	
E07- OSX	700	2.5	1.2	0.3					
E07- 20-	2000	12	8	4.8	3	2	1.2		
E65- 11-	1100	6.3	3.5	1.7	1.5	1	0.6		
E65- 20-	2000	12	8	4.8	3	2	1.2		
E45- 40-	4000	25	16	10	6.9	4.4	2.8	1.7	
E66- 80-	8000								3.1
E66- 150-	15000								7.1
E88- 100-	10000			28	18	11	7.4	5	
E88- 100-	13000			37	24	15	9.8	6.7	
E88- 100-	16000			40	30	19	12	8.4	
E88- 300-	30000								15.3
E88- 300-	35000								18.9
E88- 300-	40000								21.7

Pneumatic actuators (OPG) closed without compressed air. Plug closes against the flow.

Actuator baelz 373-	Power (N)	req. feed press. (bar)	DN (mm) / maximum differential pressure ΔP_{max} (bar)							
			40	50	65	80	100	125	150	
P11- 1	950	3.0	4.3	2.4	1.1	0.5				
P21- 3	1020	1.2	6.3	4.6	2.7	1.8	1	0.6		
P21- 6	2040	3.0	13.5	8.9	5.2	3.4	2.2	1.4		
P21- 12	3390	6.0	23	14	8	5	3.5	2.1		
P21- 18	4030	6.0	27	18	10	7	4.5	2.8		
P21- V6	7590	6.0	40	34	20	13	8	5		
P22- 3	1846	3.0	11	6.5	3.4	2	1.1	0.5		
P22- 6	3692	6.0	25.2	15.3	8.5	5.3	3.2	1.9		
P31- 3	2480	1.2							1.1	
P31- 6	4960	3.0							2.4	
P31- 18	10560	6.0							5.3	
P41- 3	3765	1.2							2.4	
P41- 6	7530	3.0							5	
P41- V6	31920	6.0							21	