



Leakage class (EN 1349)

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

baelz 367 & 367-2

DESCRIPTION

The baelz 367 / 367-2 ANSI 300 valve is a flanged and pressure rated 3-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, thermal oil

For NPS 1 1/2" - 4", designation = baelz 367-2
 For NPS 6", designation = baelz 367
 Other sizes available on request.

	Technical Specifications	Designation
Housing material	1.0619 (1.0432) / SA216WCB (SA105)	baelz 367-2... / baelz 367...
T max. / P max.	450 °F/620 psi; 100 °F/740 psi 232 °C/42,7 bar; 38 °C/51.1 bar	baelz 367-2...
	650 °F/550 psi; 100 °F/740 psi 343 °C/37,9 bar; 38 °C/51.1 bar	baelz 367-2-K...
	650 °F/362 psi; 100 °F/362 psi 343 °C/25 bar; 38 °C/25 bar	baelz 367-K-SS...
Plug	Parabolic plug (standard)	baelz 367-2... / baelz 367...
Cooling tube / Spindle seal	V-rings in PTFE standard	baelz 367-2... / baelz 367...
	Cooling tube	baelz 367-2-K...
	Cooling tube + double-wall stainless steel bellows and safety gland	baelz 367-2-K-SS... / baelz 367-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 367 & 367-2 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

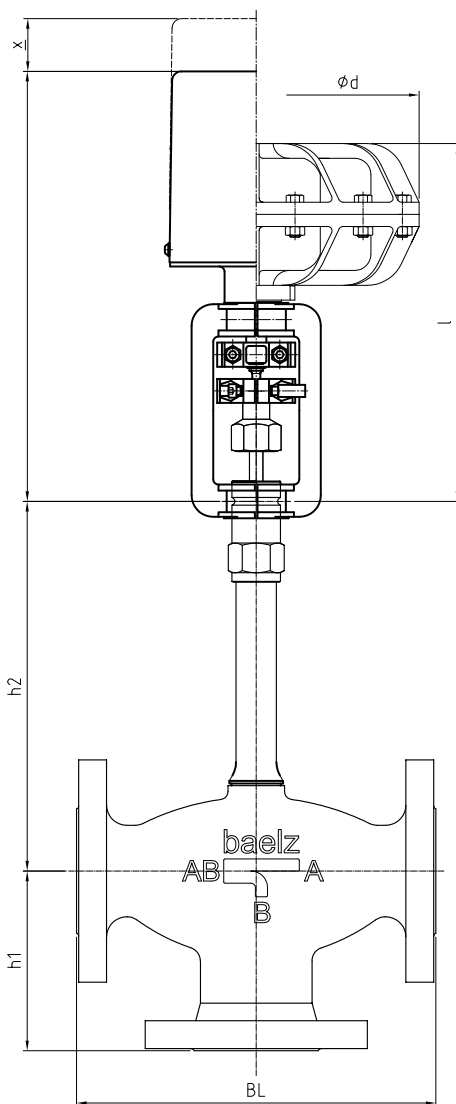
Note: As we are constantly improving our products, there is more than one series of this article. When ordering spares or parts for an existing system, please state the old serial numbers and, if in doubt, contact Baelz. We'll be pleased to help.

Dimensions of the baelz actuators										
Actuator	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				
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

⁺ with yoke S41/with yoke S41C

* dimensions, see datasheet of actuator E65

baelz 367-K-SS & 367-2-K-SS approximate dimensions and weights									
NPS / DN		BL		h1		h2		weight	
in.	mm	in.	mm	in.	mm	in.	mm	lbs	kg
1"	25	7.76	197	3.88	98.5	9.29	236	24.5	11.1
1 1/2"	40	9.25	235	4.63	117.5	11.14	283	34.5	17
2"	50	10.51	267	5.25	133.5	11.54	293	47.4	21.5
2 1/2"	65	11.5	292	5.75	146	12.32	313	65.3	29.6
3"	80	12.52	318	6.25	159	12.72	323	76.5	34.7
4"	100	14.49	368	7.25	184	13.31	338	122.2	55.4
6"	150	17.62	473	8.81	236.5	on request		216	98



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 valve body, if this is lower.

Electric actuators. 3-way valves as mixing valves. Plug closes against the flow.

Actuator baelz 373-	Force (N)	DN (mm) / maximum differential pressure ΔP_{max} (bar)													
		15	20	25	32	40	50	65	80	100	125	150	200	250	300
E07- OSX-	700	14,5	14,5	10	4,8	2,4	1,2	0,3							
E07- 20-	2000	40	40	32	20	12	8	4,8	3	2	1,2				
E65- 11-	1100	26,8	26,8	19	9,9	5,5	3	1,4	0,7	0,2					
E65- 20-	2000	40	40	32	20	12	8	4,8	3	2	1,2				
E45- 40-	4000	40	40	40	40	25	16	10	6,9	4,4	2,8	1,7			
E66- 80-	8000							23,8	15,1	9,3	5,7	3,1	1,6	0,9	
E66- 150-	15000								28,3	17,9	11,3	7,1	3,8	2,3	1,5
E88- 100-	10000							28	18	11	7,4	5	2,4	1,7	1,1
E88- 100-	13000							37	24	15	9,8	6,7	3,3	2,3	1,5
E88- 100-	16000							40	30	19	12	8,4	4,5	2,9	2
E88- 300-	30000									(36)	(23)	15,3	9	5,8	3,9
E88- 300-	35000											18,9	10,5	6,7	4,6
E88- 300-	40000											21,7	12,1	7,7	5,3

Electric actuators. 3-way valves as diverting valves. Plug closes in direction of flow.

Actuator baelz 373-	Power (N)	DN (mm) / maximum differential pressure ΔP_{max} (bar)						
		40	50	65	80	100	125	150
E07- OSX	700	0.6	0.6					
E07- 20-	2000	0.6	0.6	0.6	0.6	0.6	0.6	
E65- 11-	1100	0.6	0.6	0.6	0.6	0.6	0.5	
E65- 20-	2000	0.6	0.6	0.6	0.6	0.6	0.6	
E45- 40-	4000	0.6	0.6	0.6	0.6	0.6	0.6	
E66- 150-	15000							1
E88- 100-	10000							1
E88- 300-	30000							1

Pneumatic actuators. 3-way valves as mixing valves. Plug closes against the flow.

Actuator baelz 373-	Force (N)	oper. press. (bar)	DN (mm) / maximum differential pressure ΔP_{max} (bar)													
			15	20	25	32	40	50	65	80	100	125	150	200	250	300
P11- 1	950	6,0	18,6	18,6	13,9	5,6	3,4	1,9	0,9	0,4						
P21- 3	1020	1,2	7	7	4,5	2,8	1,7	1,1	0,7	0,4	0,3	0,2				
P21- 6	2040	3,0	40	40	33	20	13	8	5	3,3	2,1	1,3				
P21- 12	3390	6,0	40	40	40	35	22	14	8,5	5,6	3,6	2,3				
P21- 18	4030	6,0	40	40	40	40	27	17	10	7	4,3	2,7				
P21- V6	7590	6,0	40	40	29	18	11,5	7	4,3	2,8	1,8	1,2				
P31- 3	2480	1,2											0,6			
P31- 6	4960	3,0											2,3			
P31- 18	10560	6,0											5			
P41- 3	3765	1,2											2,4	1	0,6	0,4
P41- 6	7530	3,0											4,8	2	1,3	0,9
P41- V6	31920	6,0											8,2	3,5	2,3	1,6

Pneumatic actuators. 3-way valves as diverting valves. Plug closes in direction of flow.

Actuator baelz 373-	Force (N)	oper. press. (bar)	DN (mm) / maximum differential pressure ΔP_{max} (bar)													
			15	20	25	32	40	50	65	80	100	125	150	200	250	300
alle		1,2 - 6,0	Alle Umstellventile nur bis 0,6 bar Differenzdruck einsetzen. Ist ein Umstellventil mit > 0,6 bar Differenzdruck erforderlich, muss am Antrieb eine Dämpfungseinrichtung vorgesehen werden.													