



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, steam, 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

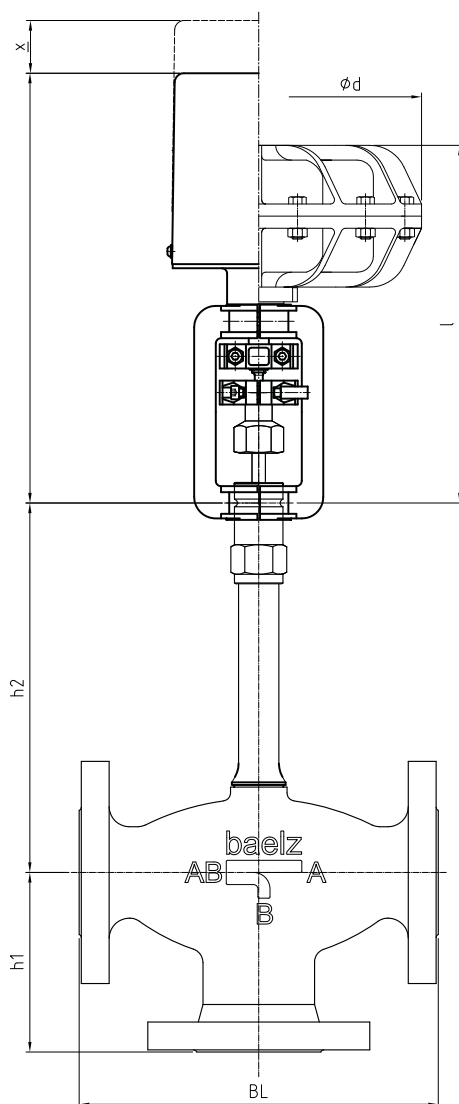
Note: As we are constantly improving our products, there is more than one series of this article. When ordering spares or parts for an existing system, please state the old serial numbers and, if in doubt, contact Baelz. We'll be pleased to help.

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 1/2"	40	9.25	235	4.63	117.5	11.14	283	26.1	11.8
2"	50	10.51	267	5.25	133.5	11.54	293	40.1	18.2
2 1/2"	65	11.5	292	5.75	146	12.32	313	54.7	24.8
3"	80	12.52	318	6.25	159	12.72	323	69.7	31.6
4"	100	14.49	368	7.25	184	13.31	338	115	51.9
6"	150	17.62	473	8.81	236.5	on request		241	110



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. 3-way valves as mixing valves. 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

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-	Power (N)	req. feed press. (bar)	DN (mm) / maximum differential pressure ΔP_{max} (bar)						
			40	50	65	80	100	125	150
P11- 1	950	6.0	3.4	1.9	0.9	0.4			
P21- 3	1020	1.2	1.7	1.1	0.7	0.4	0.3	0.2	
P21- 6	2040	3.0	13	8	5	3.3	2.1	1.3	
P21- 12	3390	6.0	22	14	8.5	5.6	3.6	2.3	
P21- 18	4030	6.0	27	17	10	7	4.3	2.7	
P21- V6	7590	6.0	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
P41- 6	7530	3.0							4.8
P41- V6	31920	6.0							8.2

Pneumatic actuators. 3-way valves as diverting valves. Plug closes in direction of 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
all		1.2 - 6.0	All diverting valves may only be utilized up to 0.6 bar differential pressure. If a diverting valve with > 0.6 bar is required, a damping device must be provided on the actuator.						