



baelz 585

DESCRIPTION

The baelz 585 is a liquid/steam ejector with a flange connection for direct mixing of steam and water. (Water heating by direct steam injection).

Housing: GJS-400-18-LT - 5.3103

Inner parts: hardened stainless steel

TECHNICAL SPECIFICATIONS

Connection type: Flange EN 1092-2; EN 1092-1 Shapes D / E / F on request

The plug type and the control characteristic are designed and manufactured to order.

Spindle seal: V-rings in PTFE

Option: baelz 585-K - with cooling tube

Working media: water

Leakage class (EN 1349)

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

Stroke (mm)

Spindle Ø (mm)

DN 15 - DN 25	22	10
DN32 - DN50		16
DN50 - DN125		

T max. (°C) / P max. (bar)

Housing material	Spheroid ductile iron GJS-400-18-LT - 5.3103	
Nominal pressure	PN16	PN25
baelz 585 DN15-DN125	240/14 ... 50/16	240/22 ... 50/25

The differential pressures specified here are limited by the nominal pressure of the housings, if this is lower.

Electric actuators. baelz 585. Plug closes in direction of flow.

Actuator baelz 373-	Power (N)	Nozzle Ø (mm) / Maximum differential pressure ΔPmax (bar)																
		≤ 12.5	16	20	23	25	30	32	37	40	47	50	60	65	80	90	100	120
E07-	2000	181	75	47	36	30	21	18	14	13	9.7	8.5	5.9					
E65- 11-	1100	86	36	22	17	14	10	9	6.8	6.8	4.6	4.1	2.8					
E65- 20-	2000	181	75	47	36	30	21	18	14	14	9.7	8.5	5.9					
E45-	4000			97	73	62	43	38	29	29	19	17	12	11				
E88- 100-	10000										50	44	30	28	17	14	11	7.7

Pneumatic actuators. baelz 585. Plug closes in direction of flow.

Actuator baelz 373-	Power (N)	req. feed pressure (bar)	Nozzle Ø (mm) / Maximum differential pressure ΔPmax (bar)															
			≤ 20	23	25	30	32	37	40	47	50	60	65	80	90	100	120	
P21- 3-	1020	3.0	141	106	90	63	56	42	40	29	25	17						
P21- 6-	2040	3.0	123	93	79	55	49	37	35	25	22	15						
P21- 6-	2040	6.0	294	223	189	133	117	89	83	60	53	36						

Dimensions and weight of the baelz 585 (mm)

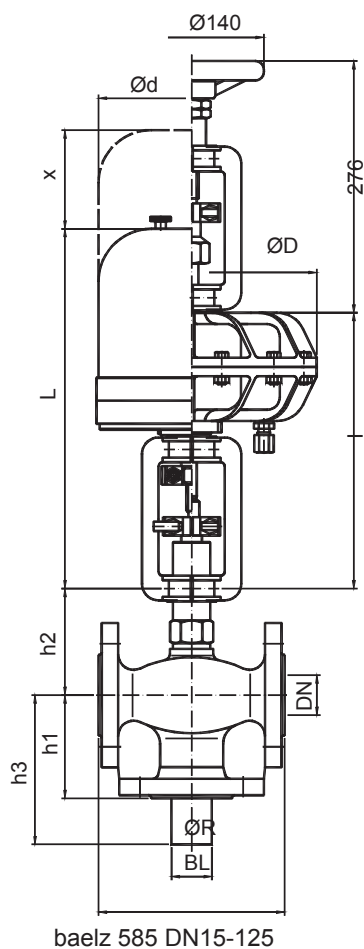
DN	BL	ØR	h1	h2		h3	Weight (kg)
				585	585-K		
15	130	15	85	109	261	142	6
25	160	26	85	110	262	142	7
32	180	35	100	104	339	157	10.5
40	200	41	105	114	349	162	12.5
50	230	52	115	124	359	172	17
65	290	68	125	144	379	182	25
80	310	80	130	154	389	187	29
100	350	105	150	169	404	207	40
125	400	128	200	189	424	257	60

Dimensions of the baelz 373 actuators (mm)

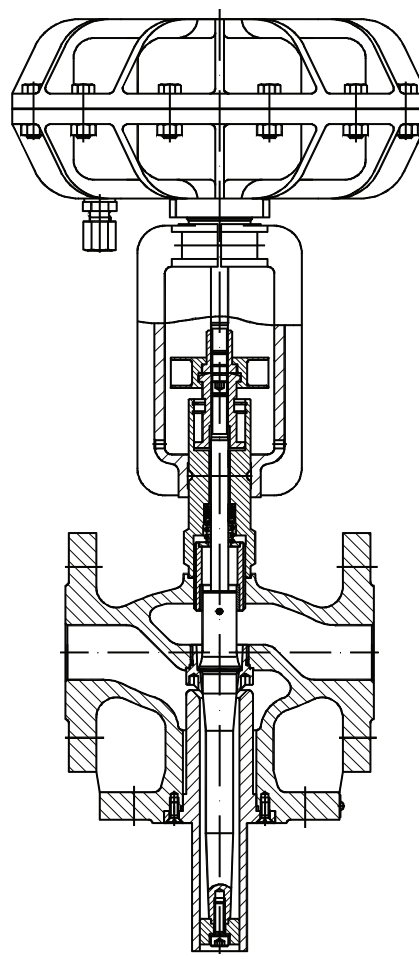
Designation	L	x	Ød	I	ØD
E 07	320	145	129		
E 45	560	150	175		
P 21				268	242
P 21-V6				304	242
P 22				322	242

Electric actuators: baelz 373-E

Pneumatic actuators: baelz 373-P



baelz 585 DN15-125



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