



Leakage class (EN 1349)

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

baelz 480

DESCRIPTION

The Jetomat baelz 480 is a controllable liquid/liquid ejector with flange connection for mixing and recirculation

Housing: GJS-400-18-LT - 5.3103 / GP240GH - 1.0619 (PN 40)

Diffuser: DN 15: X14CrMoS17

DN 25...125: GJS-400-18-LT

≥ DN 150 and all PN 40: steel, welded

Plug stem and nozzle: 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 480-K - with cooling tube

Working media: liquids, water, thermal oil

Stroke (mm)		Spindle Ø (mm)
DN 15 - DN 25. nozzle ≤ 6.5 mm	12	10
DN 15 - DN 25. nozzle > 8 mm	22	10
DN 32 - DN80	22	10
DN 100 - DN 125*	22 and 40*	16
DN 150	40 and 44	16 / 22
DN 200 - DN 250	66	22

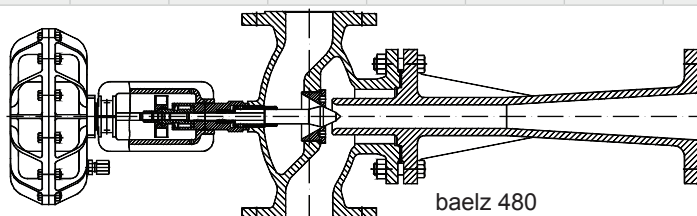
*recommended actuators for DN 100 and DN 125:

Stroke 22, Actuator 373-P21-L...

Stroke 40, Actuator 373-P22-L...

T max. (°C) / P max. (bar)			
Housing material	GJS-400-18-LT - 5.3103		GP240GH - 1.0619
Nominal pressure	PN16	PN25	PN40
baelz 480 DN15-DN125	240 / 14 ... 50 / 16	240 / 22 ... 50 / 25	240 / 30.9 ... 50 / 40
baelz 480 DN150-DN250	240 / 12.3 ... 50 / 16	240 / 19.3 ... 50 / 25	
baelz 480-K DN15-DN250	350 / 11.2 ... 50 / 16	350 / 17.5 ... 50 / 25	350 / 25.7 ... 50 / 40

Available nozzle diameters (mm)												
DN	15	25	32	40	50	65	80	100	125	150	200	250
Ø	2.5	6.5	8	10	12.5	16	20	25	32	40	65	80
	3.2	8	10	12.5	16	20	25	32	40	50	80	100
	4	10	12.5	16	20	25	32	40	50	65	100	120
	5				23	30	37	47	60		110	
	6.5											
	8											



baelz 480

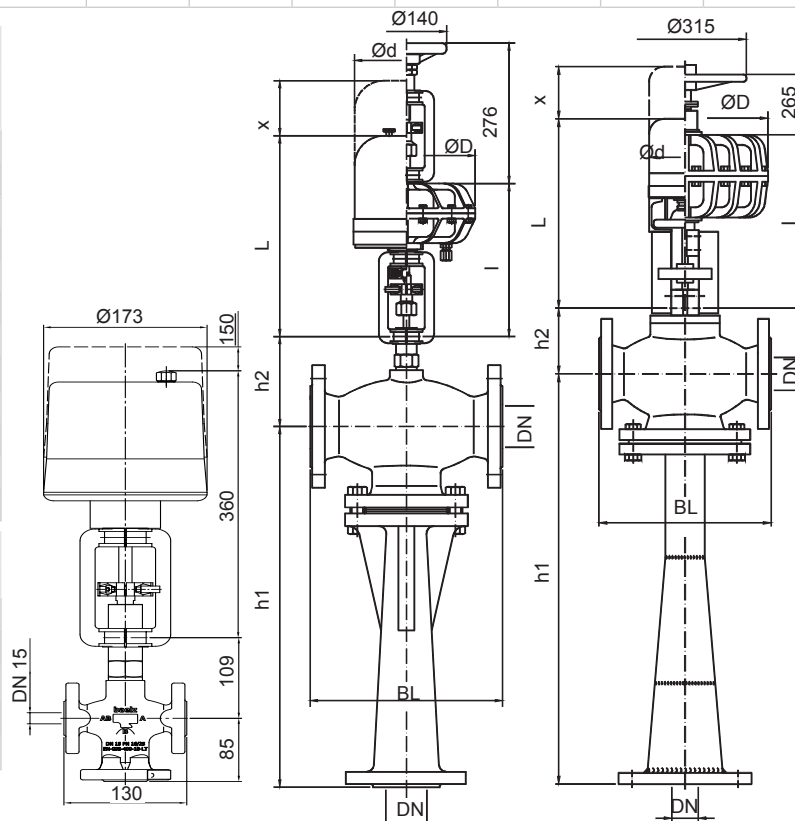
Weight of the baelz 480 (kg)												
DN	15	25	32	40	50	65	80	100	125	150	200	250
Spheroid ductile iron	6.3	9.1	14.9	19.3	25.3	40.4	50.6	68	104.3	145	300	450
Steel	7.4	10.2	16	20.4	27	42	52.6	70	106.3	148	310	460

baelz 480 dimensions (mm)					
DN	BL	h1		h2	
		PN16/25	PN40	480	480-K
15	130	85	85	109	261
25	160	202	229	110	163
32	180	302	302	104	339
40	200	358	358	114	349
50	230	402	429	124	359
65	290	539	573	144	379
80	310	600	695	154	389
100	350	624 (912)	912	169	404
125	400	836 (1066)	1066	189	424
150	480	1260		244	
200	600	1651		268	
250	730	2070		317	

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 480 DN15

baelz 480 DN15-125

baelz 480 DN150-300

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

Electric actuators. baelz 480. 590. 585. Plug closes in direction of flow.

Actuator baelz 373-	Power (N)	Nozzle Ø (mm) / Maximum differential pressure ΔPmax (bar)														90	100	120
		≤ 12.5	16	20	23	25	30	32	37	40	47	50	60	65	80			
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				
E66-	15000										76	67	46	43	27	21	17	11
E88- 100-	10000										50	44	30	28	17	14	11	7.7

Pneumatic actuators. baelz 480. 590. 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					
P22- 3-	1846	3.0							37	26	23	16	15				
P22- 6-	3692	6.0							73	52	46	32	30				
P31- 3-	2480	3.0							110	79	69	48	45				
P31- 6-	4960	3.0							93	67	59	41	38				
P31- 6-	4960	6.0							220	158	139	96	89				
P32- 6-	4402	3.0									61	42	39	25	19	15	11
P32- 6-	4402	6.0									141	98	91	57	45	36	25
P41- 6-	7530	6.0									281	195	180	114	89	71	49