



Please note that actuators utilized as safety devices as defined by the Pressure Equipment Directive (PED 2014/68) are subject to certification.
Certification costs on request.

Leakage class (EN 1349)

metal-to-metal seal: 0.004% Kvs (better than class IV)
with Teflon plug: 0.001% Kvs (better than class VI)

bælz 192

DESCRIPTION

The bælz 192 is a direct-acting reducing valve with pilot control for steam. The pilot valve allows accurate maintenance of the vapor pressure level in the utility appliance.

The valve opening requires a minimum pressure difference of 1 bar. It is equipped with the 206r pilot pressure controller.

TECHNICAL SPECIFICATIONS

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

SPECIAL FEATURES

The 265st built-in solenoid valve guarantees completely vapor-tight closing of the main valve in the event of operation interruptions. Delivery without solenoid at a reduced price is possible. In this case, vapor-tight closing of the valve is not guaranteed. Relevant for systems in permanent function, as well as systems with a isolating valve upstream from the reducing valve.

Stroke		Designation
DN15-25	6 mm	192/4
DN32-40	12 mm	
DN50	14 mm	
DN65	18 mm	
DN80	20 mm	192/5
DN100	25 mm	
DN125	30 mm	

Options		Designation example
Plug	Parabolic plug (standard)	bælz 192
	Cage plug	bælz 192-LK
Flange	EN 1092-1 Shapes D / E / F on request	bælz 192-VR

T max. (°C) / P max. (bar)		
Housing material	Spheroid ductile iron GJS-400-18-LT - 5.3103	Cast steel GP240GH - 1.0619
Nominal pressure	PN16	PN40
bælz 192	240 / 10 ... 120 / 13	240 / 32 ... 120 / 32
Min. ambient temperature (°C)	20	

Kvs value (m³/h)											
DN	15	20	25	32	40	50	65	80	100	125	150
Standard	5	6	8	15	24	35	70	105	135	200	320
Cage plug LK	2.5	3.2	4	10	16	25	40	63	100	160	200
	2	2.5	2.5	6.3	10	16	32	50	80	130	160
	1.3	1.6		4	8		25	40	40	100	
							16				

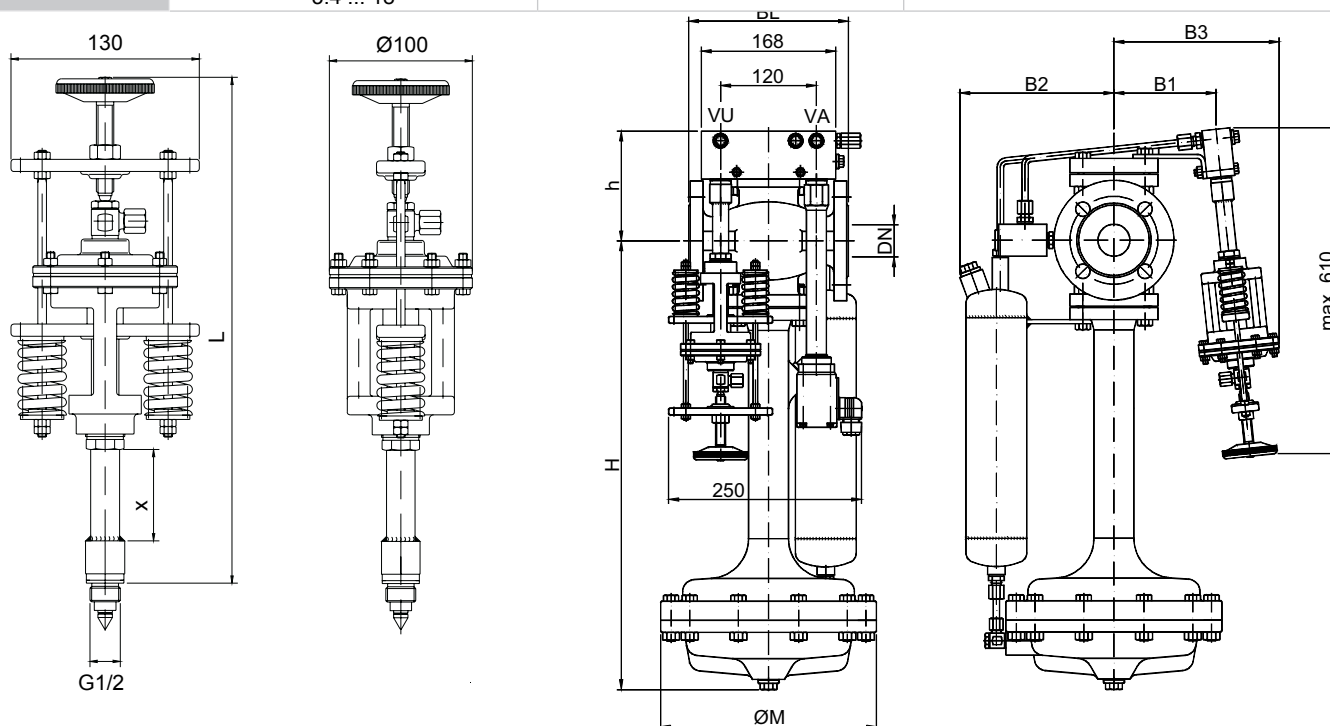
Weight (kg)											
DN	15	20	25	32	40	50	65	80	100	125	150
bælz 192	30	31	32	38	44	53	59	145	155	185	220
bælz 192 + 206r / 206r2 pressure measuring and control element + 265st solenoid element	35	36	37	43	49	58	64	150	160	190	225

baelz 192 dimensions (mm)								
DN	BL	H	h	B1	B2		B3	ØM
		PN 16/40			PN16	PN40		
15	130	560	110	80	185		180	270
20	150	560	110	85	185		185	270
25	160	570	110	90	185		190	270
32	180	565	145	125	185		225	270
40	200	565	145	125	185		225	270
50	230	580	160	125	185		225	270
65	290	595	180	140	185	215	240	270
80	310	930	210	175	290		270	420
100	350	950	235	190	290		285	420
125	400	930	255	210	290		305	420
150	480	945	265	225	290		320	420

Technical specifications for the 206r and 206r2 pilot valve - pressure controller

Dimensions		Application area	
x (mm)	L (mm)	T max. (°C)	P max. (bar)
100	353	110	18
200	453	200	18
300	553	240	13

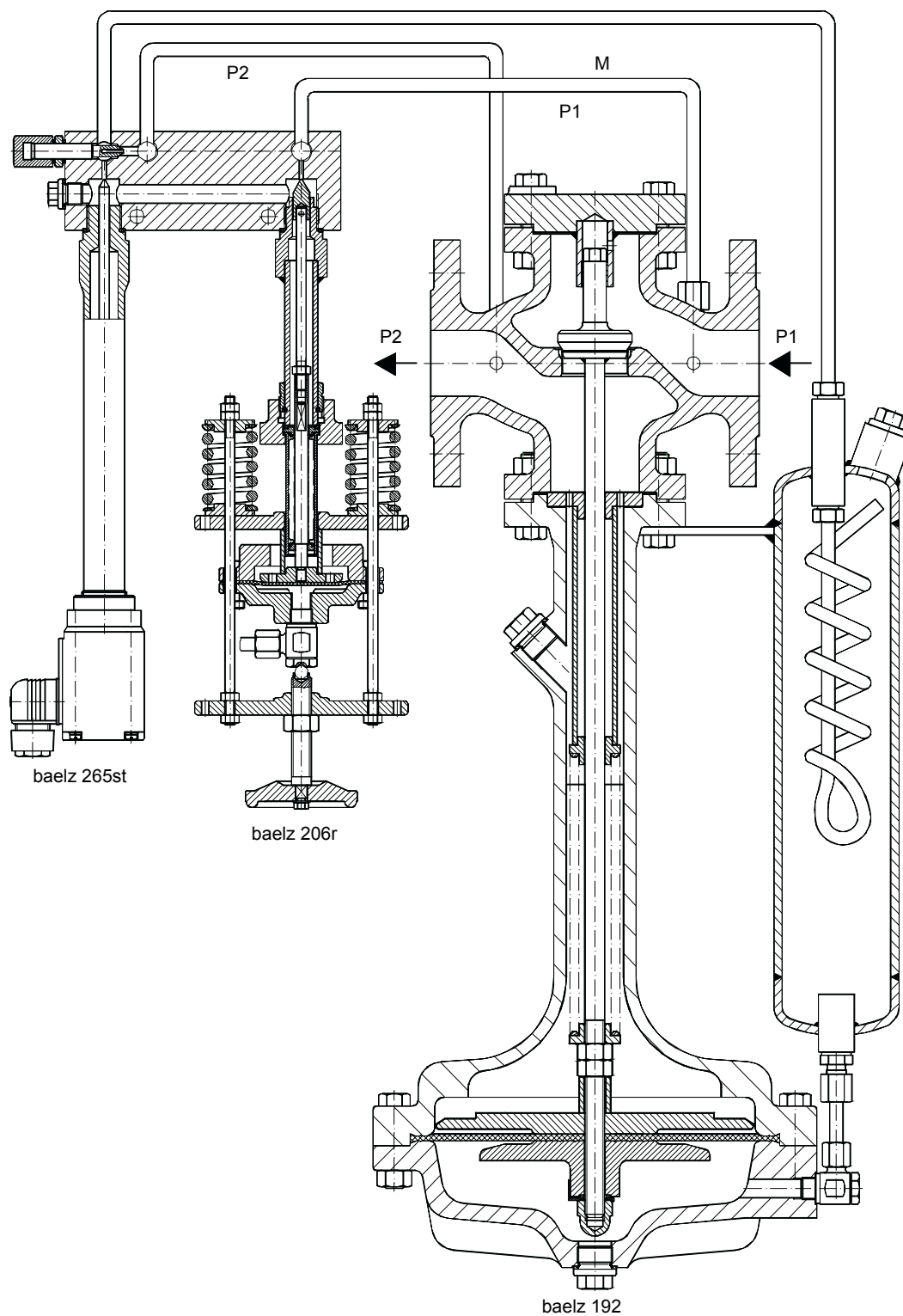
Controller type	Pressure range (bar)	Housing and bellows material	Connection
206r	0.05 ... 0.45 0.08 ... 0.65 0.14 ... 1	Stainless steel 1 4571	G 1/2
206r2	0.3 ... 2.5 0.5 ... 3.4 0.9 ... 6.4 2 ... 8.8 3.4 ... 18	Stainless steel 1.4571	G 1/2



baelz 206r and 206r2 pressure maintenance valve

baelz 192 universal steam valve DN 15 - 65 PN 16 - 40 with
baelz 206r and baelz 265st pressure control element

Sectional drawing of baelz 192 valve



baelz 192 direct acting reducing valve
with baelz 206r pilot controller and baelz 265st isolating valve