



bælz 185

DESCRIPTION

The bælz 185 is a versatile DN 15 microflow control valve for low flow rates with integrated strainer and stainless steel housing.

Provided with 6 holes (VA/VU) with G1/2" thread, for connecting accessories:

- Pneumatic or electric actuator
- Solenoid valve
- Manual isolating valve
- Direct-acting pilot valve
- Security valve
- Pressure sensor or temperature sensor
- Drain valve or ball valve

TECHNICAL SPECIFICATIONS

Housing material - stainless steel 1.4021

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

Plug type: Tapered plug, Teflon soft seal plug

Additional options:

- bælz 260st single or double manual valves for filter cleaning
- Plug soft seal

Working media: liquids, gases, water, steam, thermal oil

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)

Stroke

DN15

16 mm

Spindle diameter

10 mm

Options	Special features	T max. (°C) / P max. (bar)	Designation example
Plug	Stainless steel 1.4571 (standard)	240 / 40 ... 50 / 40	bælz 185
	Stainless steel 1.4571 + Teflon (PTFE)	240 / 40 ... 50 / 40	bælz 185-TK
Stem seal	V-rings in PFTE (standard)	240 / 40 ... 50 / 40	bælz 185
	Cooling tube	350 / 34 ... 50 / 40	bælz 185-K
	Cooling tube + bellows seal	350 / 16 ... 50 / 16	bælz 185-K-SS
Housing	Locking screws made of stainless steel 1.4401 (Standard: galvanized steel)	240 / 40 ... 50 / 40	bælz 185-VA
Flange	EN 1092-1 Shapes D / E / F on request	240 / 40 ... 50 / 40	bælz 185-VR

Actuators

Identification

Pneumatic diaphragm actuator	bælz 373-P
Electric linear actuator	bælz 373-E
Solenoid valve	bælz 266st, bælz 265st*
Direct acting controller	bælz 206r**

* When used with the solenoid valve, the temperature is limited, see Chapter «Electric actuators»

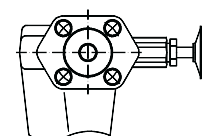
** see Chapter «bælz 192 pilot-operated reducing valve ».

Kvs value (m³/h)

DN	15									
Standard	0.025	0.04	0.10	0.12	0.16	0.30	0.60	1.00	1.20	1.40
With soft seal (TK)	-									

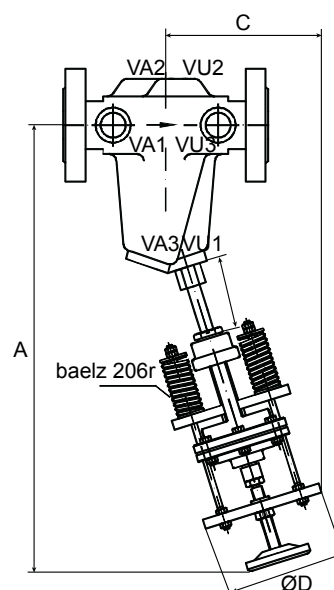
baelz 185 DN15 dimensions and weight							
Variant	BL	h1	h2	L1	L2	L3	Weight
	(mm)						(kg)
baelz 185	130	90	98.5	113.5	65	4	5.2
baelz 185-K	130	90	251	113.5	65	4	6.2
Additionally with a baelz 260st manual valve							+ 0.4
Additionally with two baelz 260st manual valves							+ 0.8

baelz 373 dimensions (mm)					
Designation	L	x	Ød	I	ØD
E 07	320	145	129		
P 21				268	242

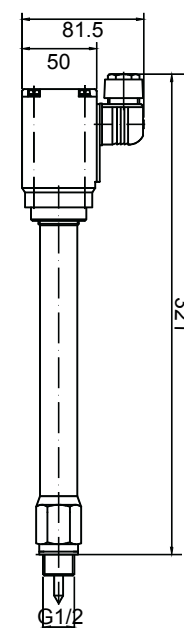


baelz 185 - 260st

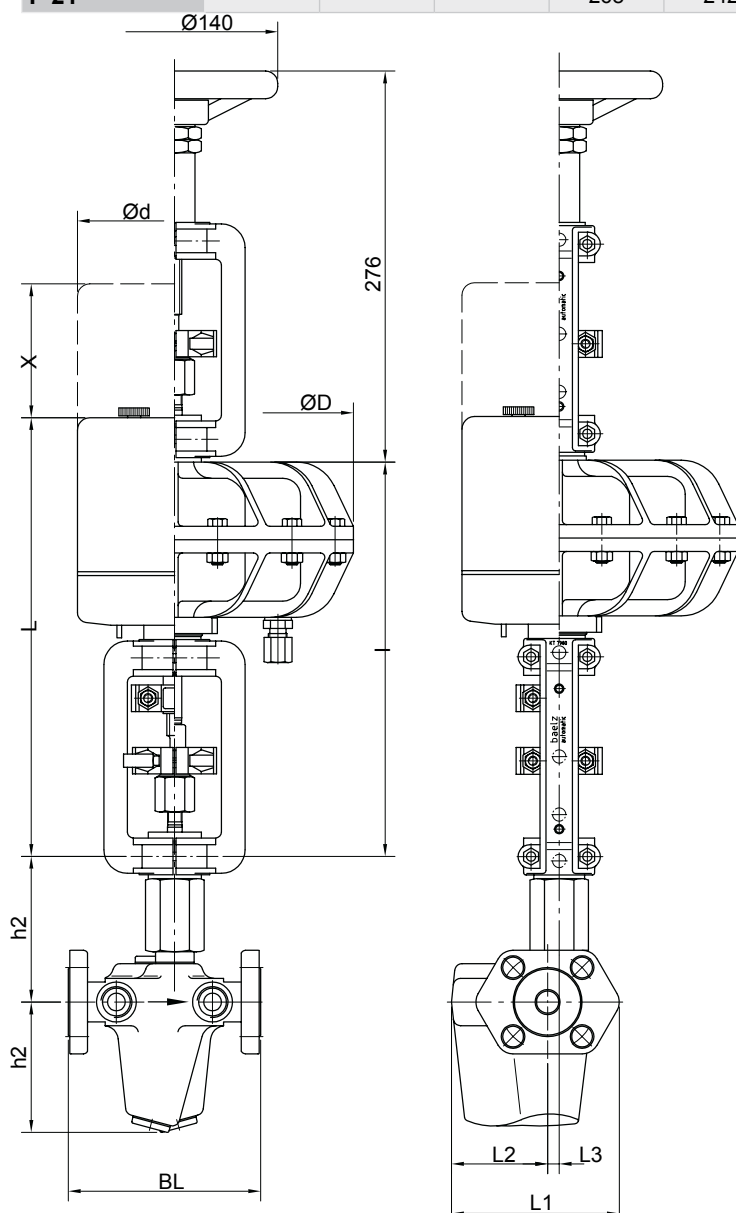
baelz 185 + 206r dimensions (mm)				
L	A	C	T max	ØD max
100	450	135	110	130
200	550	165	200	130
300	650	195	300	130



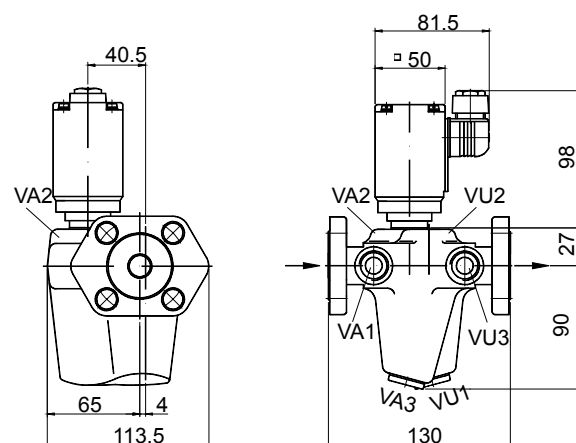
baelz 185 - 206r



baelz 265st solenoid valve



baelz 185 with pneumatic and electric actuator



baelz 185 with baelz 266st solenoid valve

Sectional drawings of the baelz 185 plug

