

# Ball valves

## Model 50109 3-part F/F ball valve (58183) with ATEX electric actuator IP68 (50848)



### Specifications

⇒ **Valve**

**Dimensions:** DN20 to DN100 (3/4" to 4")

**Connection:** BSP female thread

**Pressure:** PN63 (1000 lbs)

**Operating temperature:** -29°C to +175°C

**Material:** 316 or CF8M stainless steel

(for the stainless steel parts that can come into contact with the transported fluid)

⇒ **Electric actuator**

**Operating temperature:** -20°C to +70°C

Aluminium housing and cap IP68

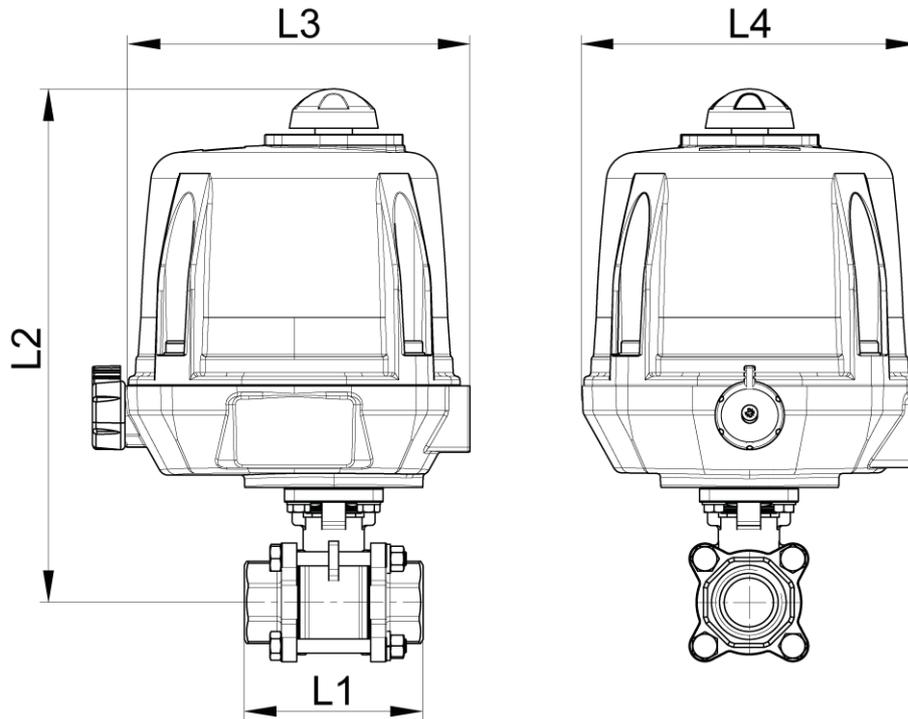
Visual position indicator

Anti-condensation heater

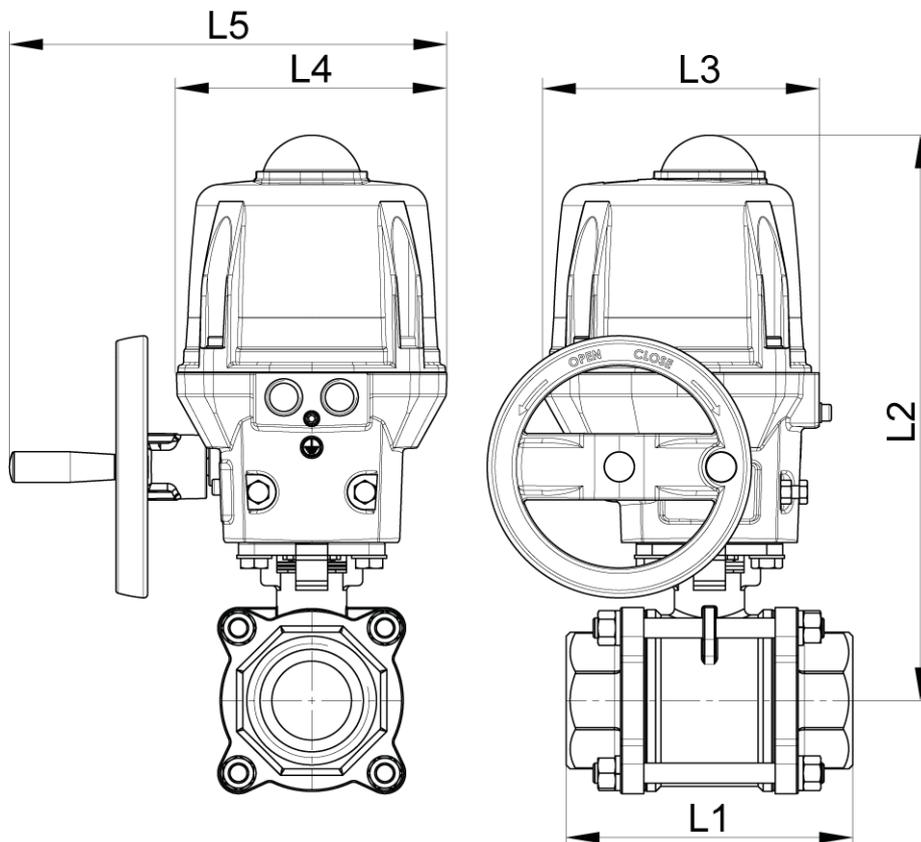


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**DN20 to DN50**



**DN65 to DN100**

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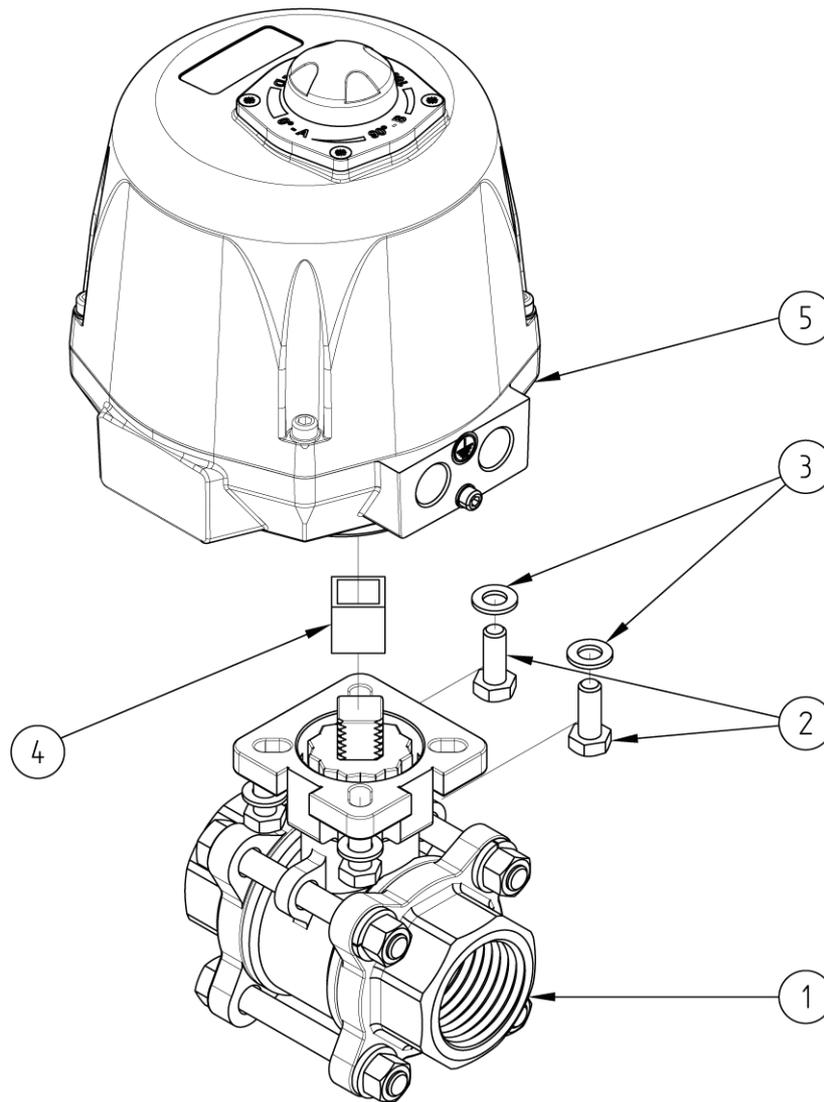
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DN (mm)	NB (inches)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	L5 (mm)	Opening/ closing time (90°) (s)	Weight (kg)	Part No. 100-230V AC and 100-350V DC
20	3/4"	80	250	192	170	x	7	5.02	450109-20A
25	1"	90	260	192	170	x	7	5.47	450109-25A
32	1"1/4	110	264	192	170	x	7	6.10	450109-32A
40	1"1/2	120	273	192	170	x	15	6.95	450109-40A
50	2"	140	279	192	170	x	20	8.60	450109-50A
65	2"1/2	185	358	209	170	275	15	14.70	450109-65A
80	3"	205	367	209	170	275	15	18.00	450109-80A
100	4"	240	398	209	170	275	30	29.80	450109-100A

DN (mm)	NB (inches)	Opening/ closing time (90°) (s)	Part No. 15-30V AC and 12-48V DC	Opening/ closing time (90°) (s)	Part No. 400V TRI 50/60 Hz
20	3/4"	7	450109-20B	10	450109-20C
25	1"	7	450109-25B	10	450109-25C
32	1"1/4	7	450109-32B	10	450109-32C
40	1"1/2	15	450109-40B	10	450109-40C
50	2"	20	450109-50B	15	450109-50C
65	2"1/2	15	450109-65B	10	450109-65C
80	3"	15	450109-80B	10	450109-80C
100	4"	30	450109-100B	20	450109-100C

ATEX 1/4 turn (90°) electric actuator with aluminium housing and cap IP68.  
 Visual position indicator. Manual override control with safe clutch disengagement.  
 Configurable limit switches. Torque limiting device. Anti-condensation heater.  
 Actuator operating temperature: -20°C to +70°C.  
 Duty cycle: 50%. Number of starts per hour: 150.  
 Actuator sized for a valve  $\Delta P = \max. 16 \text{ bar}$ . For  $\Delta P > 16 \text{ bar}$ , please contact us.  
 Standard operation: Opening/closing at 0/90°.

You must order earthing braids separately.  
 Cable glands are not supplied.



N°	Part Name	Material	Quantity
1	3-PART VALVE (58183)	CF8M	1
2	FIXING BOLT	STAINLESS STEEL	4
3	WASHER	STAINLESS STEEL	4
4	COUPLING	STAINLESS STEEL	0 or 1
5	ELECTRIC ACTUATOR (50848)	ALUMINIUM	1

You can refer to the following product data sheets for more technical information:

- **58183** : 3-part female/female valve
- **50848** : ATEX ¼ turn (90°) electric actuator - IP68