

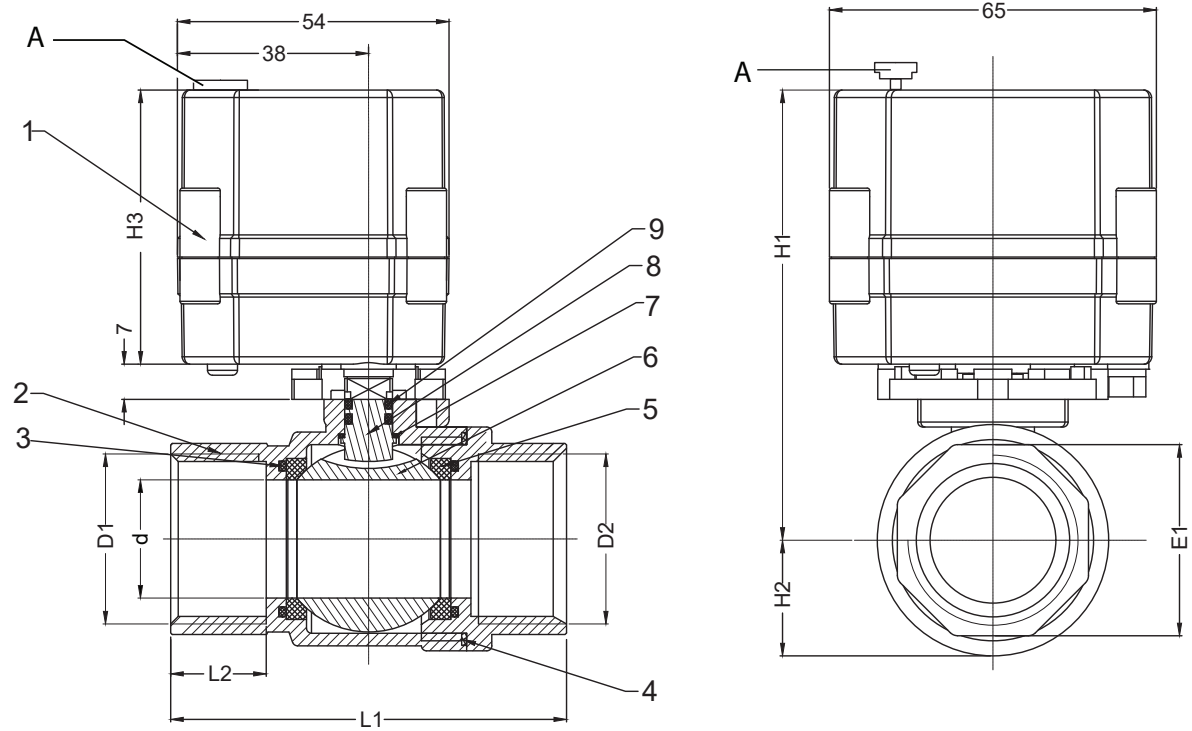


DATASHEET

304 Stainless Steel Ball Valve with Electrical Actuator (2-wires)



Item no. 3553227



No.	Name	Material	Specification	Quantity
9	O-ring	EPDM		2
8	Stem	Stainless Steel	304	1
7	Gasket	PTFE		1
6	Ball	Stainless Steel	304	1
5	Sealing	PTFE		2
4	Sealing	PTFE		1
3	O-ring	EPDM		2
2	Body Cover	Stainless Steel	304	1
1	Actuator	PPO		1

A: Item no 3553228, 3553231 only

Measurements in mm

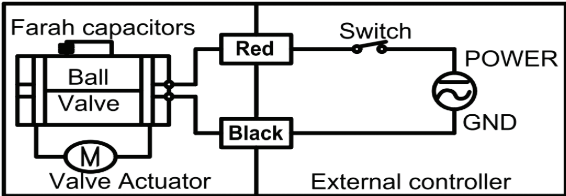
Item no.	Model	D1/D2	d±0.3	L1±1	L2±1	E1±0.5	H1±1	H2	H3
3553227	TC-A20-T15-S2-C	12.7 mm (1/2")	15	62	14	25	85	17	54.5
3553228	TC-A20-T15-S2-B	12.7 mm (1/2")	15	62	14	25	72.5	17	42
3553229	TC-A20-T20-S2-C/9-24VDC	19.1 mm (3/4")	20	72	17	31	88.5	20	54.5
3553230	TC-A20-T20-S2-C/230VAC	19.1 mm (3/4")	20	72	17	31	88.5	20	54.5
3553231	TC-A20-T25-S2-B	25.4 mm (1")	25	80	18	38	79	24.5	42
3553232	TC-A20-T25-S2-C/230VAC	25.4 mm (1")	25	80	18	38	91.5	24.5	54.5
3553233	TC-A20-T25-S2-C/9-24VDC	25.4 mm (1")	25	80	18	38	91.5	24.5	54.5

Technical data

Item no.	3553227	3553228	3553229	3553230	3553231	3553232	3553233
Model	TC-A20-T15-S2-C	TC-A20-T15-S2-B	TC-A20-T20-S2-C/9-24VDC	TC-A20-T20-S2-C/230VAC	TC-A20-T25-S2-B	TC-A20-T25-S2-C/230VAC	TC-A20-T25-S2-C/9-24VDC
Valve type	2 pc ball valve	2 pc ball valve	2 pc ball valve	2 pc ball valve	2 pc ball valve	2 pc ball valve	2 pc ball valve
Valve size	DN15	DN15	DN20	DN20	DN25	DN25	DN25
Port size	12.7 mm (1/2") BSP	12.7 mm (1/2") BSP	19.1 mm (3/4") BSP	19.1 mm (3/4") BSP	25.4 mm (1") BSP	25.4 mm (1") BSP	25.4 mm (1") BSP
Voltage	9 - 24 V/DC	9 - 24 V/DC	9 - 24 V/DC	110 - 230 V/AC	9 - 24 V/DC	110 - 230 V/AC	9 - 24 V/DC
Working current	≤500 mA	≤500 mA	≤500 mA	≤500 mA	≤500 mA	≤500 mA	≤500 mA
Max Pressure	10 bar	10 bar	10 bar	10 bar	10 bar	10 bar	10 bar
Fluid	Air, fluid	Air, fluid	Air, fluid	Air, fluid	Air, fluid	Air, fluid	Air, fluid
Operation	Electrical, Power off reset	Electrical, Power off reset	Electrical, Power off reset	Electrical, Power off reset	Electrical, Power off reset	Electrical, Power off reset	Electrical, Power off reset
Normally open/close	Normally close	Normally close	Normally close	Normally close	Normally close	Normally close	Normally close
Environment temperature	-15 to +50 °C	-15 to +50 °C	-15 to +50 °C	-15 to +50 °C	-15 to +50 °C	-15 to +50 °C	-15 to +50 °C
Media temperature	+2 to +90 °C	+2 to +90 °C	+2 to +90 °C	+2 to +90 °C	+2 to +90 °C	+2 to +90 °C	+2 to +90 °C
Valve body	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Open/close time	≤7s	≤7s	≤7s	≤7s	≤7s	≤7s	≤7s
Life time	70000 times	70000 times	70000 times	70000 times	70000 times	70000 times	70000 times
Actuator material	PPO	PPO	PPO	PPO	PPO	PPO	PPO
Sealing material	EPDM and PTFE	EPDM and PTFE	EPDM and PTFE	EPDM and PTFE	EPDM and PTFE	EPDM and PTFE	EPDM and PTFE
Actuator rotation	90°	90°	90°	90°	90°	90°	90°
Cable length	0.5 m	0.5 m	0.5 m	0.5 m	0.5 m	0.5 m	0.5 m
Manual override	No	Yes	No	No	Yes	No	No
Open/close indicator	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ingress protection	IP67	IP67	IP67	IP67	IP67	IP67	IP67

Wiring failsafe-type valves

- Normally closed valve
- Do not exceed the rated operating voltage.
- Connect the red terminal to the positive supply, connect the black terminal to the negative supply.
- If the switch is closed, the valve is open.
- If the switch is open, the valve is closed.
- Supported working voltages: 9 - 24 V (AC/DC), 9 - 35 V (AC/DC), 110 - 230 V (AC/DC)



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