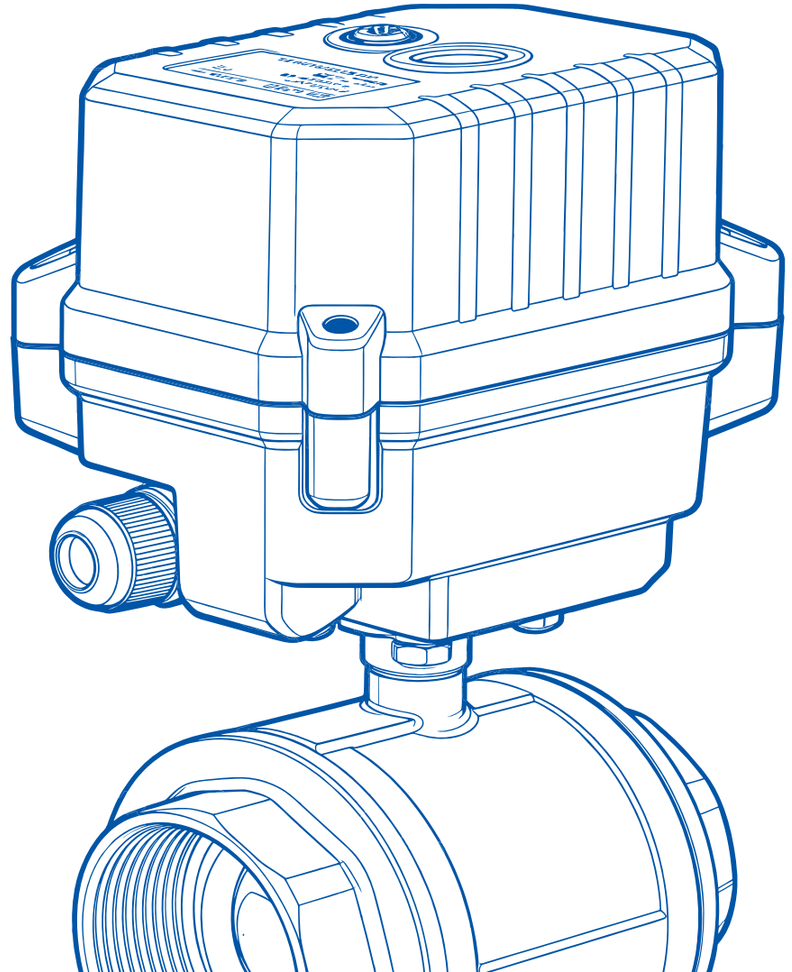
科威納 COVNA®

ISO9001 CE RoHS SGS FDA

微型电动阀产品册
Product Catalogue



COVNA®

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科威纳工业自动化有限公司 COVNA INDUSTRY AUTOMATION CO.,LTD

浙江科威纳阀门有限公司 ZHEJIANG COVNA VALVE CO.,LTD.

中国科威納总部
COVNA HEADQUARTERS

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ABOUT US

企业简介



COVNA科威纳集团有限公司。总部位于美国科罗拉多州丹佛市，是一家集研发、设计、销售、服务于一体，专业生产自动化控制的调节阀、气动阀、电动阀、电磁阀等流通控制及自动化设备配件，COVNA科威纳作为世界工业提供服务的主要供应商之一，拥有许多赫赫有名的企业和闻名遐迩的品牌。

全球技术和客户服务是COVNA科威纳公司的重要组成部分。COVNA科威纳独立拥有技术研发中心，在同行业中率先通过TS(压力管道元件制造许可证)、防爆电气生产许可证、CE(欧盟安全标识)、TÜV(德国莱茵认证)、SGS(国际公认的检验、鉴定、测试和认证机构)等质量体系和特种行业要求的认证体系，并通过有40+项核心发明、设计专利，其自动化解决方案满足全球质量标准。

通过值得信赖的品牌组合，COVNA科威纳提供的流体管理解决方案套件，为世界各地的社区提供重要的基础设施。与客户合作，COVNA科威纳帮助他们维持自动化安全运转，最大限度地提供运作效率，提高产品使用性能，与客户共同创造更加可持续发展的人类未来。

COVNA Group LTD. Headquartered in Denver, Colorado, USA, is a research and development, design, sales, service in one, specializing in the production of automatic control control valve, pneumatic valve, electric valve, solenoid valve and other flow control and automation equipment accessories, COVNA as one of the world's major industrial service providers, with many well-known enterprises and well-known brands. At present, Kovina products are exported to more than 100 countries and regions, widely used in automation, environmental protection, water treatment, oil, natural gas, chemical, electric power, metallurgy, shipbuilding, mining, paper, medicine, industrial systems and other more than a dozen industries and fields.

Through a portfolio of trusted brands, COVNA offers a suite of fluid management solutions that provide critical infrastructure to communities around the world. Working with customers, COVNA helps them maintain automated and safe operations, maximize operational efficiency, improve product performance, and work with customers to create a more sustainable human future.

DONGGUAN FACTORY

选择科威纳就是选择安全

CUSTOMER

尊贵客户

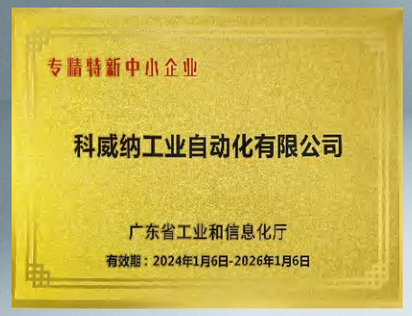
构建全球化线上线下服务体系，通过数字平台提供快速选型、技术咨询与远程支持，让高效服务触手可及。

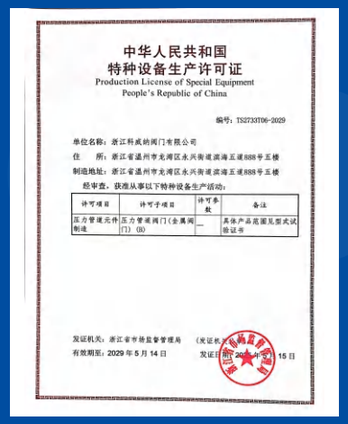
Build a global online and offline service system, and provide rapid selection, technical consultation and remote support through digital platforms, making efficient services within easy reach.

CERTIFICATE

○ 企业资质







































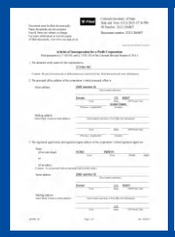
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在科威纳的成长历程中，每一次技术突破与客户认可的背后，都凝聚着团队日夜钻研的智慧结晶。
从生产车间的精益求精，到研发实验室的反复验证；
从销售团队的客户走访，到售后服务的细致跟进，我们用专业与汗水浇铸品质。正是这份执着与协作，
让科威纳的阀门在严苛工况中稳定运行，让每一份功勋奖章都闪耀着集体奋斗的光芒。
未来，我们将继续以匠心致初心，用实干成就更多行业标杆！

In the course of COVNA's growth, behind every technological breakthrough and customer recognition, the wisdom of the team is condensed day and night. From the excellence of the production workshop to the repeated verification of the research and development laboratory; From the customer visits of the sales team to the meticulous follow-up of after-sales service, we cast quality with professionalism and sweat. It is this persistence and collaboration that allows COVNA's valves to operate stably in harsh conditions, and each medal of merit shines with the light of collective struggle. In the future, we will continue to focus on originality and achieve more industry benchmarks with hard work!

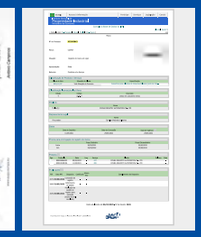


























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本手册内容仅供参考，不作为使用时的判定依据，详细技术参数及印刷板图请登录我司网站查询：www.covna-china.com

A20-T Series 2 way Brass Electric Ball Valve A20-T系列两通黄铜电动球阀



T20-B2-A



T20-B2-B

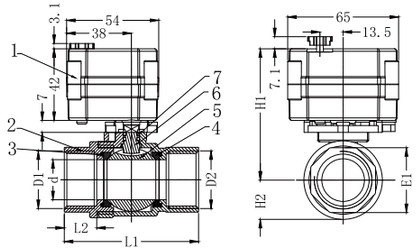


T20-B2-C

Technical Parameters 技术参数:

Product size 口径	NPT/BSP 1/4" 3/8" 1/2" 3/4" 1" 1 1/4"(Optional)
Maximum working pressure 最大工作压力	1.0 MPa
Circulation medium 介质	Fluid, air
Working voltage 额定电压	DC5V DC12V DC24V AC/DC9-24V
Wiring diagram 接线图	CR201 CR202 CR301 CR302 CR303 CR304 CR305 CR306 CR501 CR502 CR701 CR702 CR703 CR705 CR706（Optional）
Working current 工作电流	≤500mA
Open/close time 开关时间	≤5S
Life time 寿命	70000 times（testing pressure is 0.4MPa,medium is water）
Valve body material 阀材质	Brass
Actuator material 执行器材质	PPO
Sealing material 密封材料	FKM&PTFE
Actuator rotation 执行器旋转角度	90°
Torque force 扭力	3 N.m
Cable length 线长	0.5m,1.5m (Optional)
Environment temperature 环境温度	-15℃~50℃
Liquid temperature 液体温度	2℃~90℃
Manual override 手动功能	Yes No (Optional)
Open/close indicator 开关指示	Yes No (Optional)
Protection class 保护等级	IP67

Assemble Diagram 组装图



Components 组成

No.	Name	Material	Specification	Quantity
1	Actuator	PPO		1
2	Body & Cover	Brass		1
3	O-ring	FKM		2
4	Sealing	PTFE		2
5	Ball	stainless steel	304	1
6	Stem	Brass		1
7	O-ring	FKM		2

DESCRIPTION	D1/D2	d±0.3	L1±1	L2±1	E1±0.5	H1±1	H2
8-B2-B	1/4"	8	50	12	20.5	67.5	12
10-B2-B	3/8"	10	50	12	20.5	67.5	12
15-B2-B	1/2"	15	57	12	25	71	16
20-B2-B	3/4"	20	65.5	15	31	74.5/76	19
25-B2-B	1"	23.5	71.5	16	38	76.5	22
32-B2-B	1 1/4"	25	80	18	46	78	25
32-B2-B	1 1/4'	29	80	15	46	93	27

A20-T Series 2 way Brass Electric Ball Valve(AC/DC110-230V) A20-T系列两通黄铜电动球阀

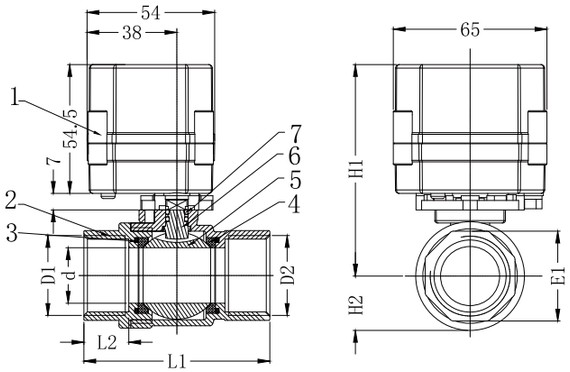
Technical Parameters技术参数:

Product size 口径	NPT/BSP 1/4" 3/8" 1/2" 3/4" 1" 1 1/4"(Optional)
Maximum working pressure 最大工作压力	1.0 MPa
Circulation medium 介质	Fluid, air
Working voltage 额定电压	AC/DC110-230V
Wiring diagram 接线图	CR202 CR303 CR305 CR306 CR401 CR502 CR703 CR704 CR705 CR706(Optional)
Working current 工作电流	≤500mA
Open/close time 开关时间	≤5S
Life time 寿命	70000 times（testing pressure is 0.4MPa,medium is water）
Valve body material 阀材质	Brass
Actuator material 执行器材质	PPO
Sealing material 密封材料	FKM & PTFE
Actuator rotation 执行器旋转角度	90°
Torque force 扭力	3 N.m
Cable length 线长	0.5m,1.5m（Optional）
Environment temperature 环境温度	-15℃~50℃
Liquid temperature 液体温度	2℃~90℃
Manual override 手动功能	Yes No (Optional)
Open/close indicator 开关指示	Yes
Protection class 保护等级	IP67



T20-B2-C

Assemble Diagram 组装图



Components 组成

No.	Name	Material	Specification	Quantity
1	Actuator	PPO		1
2	Body & Cover	Brass		1
3	O-ring	FKM		2
4	Sealing	PTFE		2
5	Ball	SS304		1
6	Stem	Brass		1
7	O-ring	FKM		2

DESCRIPTION	D1/D2	d±0.3	L1±1	L2±1	E1±0.5	H1±1	H2
8-B2-C	1/4"	8	50	12	20.5	80	12
10-B2-C	3/8"	10	50	12	20.5	80	12
15-B2-C	1/2"	15	57	12	25	83.5	16
20-B2-C	3/4"	20	65.5	15	31	87/88.5	19
25-B2-C	1"	23.5	71.5	16	38	89	22
32-B2-C	1 1/4"	25	80	18	46	90.5	25
32-B2-C	1 1/4"	29	80	15	46	105.5	27

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A20-T Series 2 way SS304 Electric Ball Valve A20-T系列两通不锈钢电动球阀



T25-S2-A



T25-S2-B

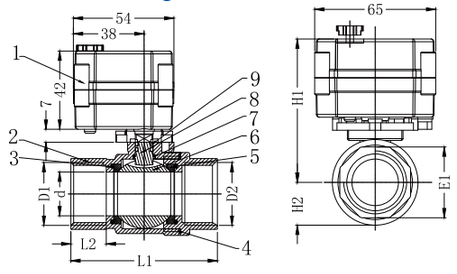


T25-S2-C

Technical Parameters技术参数:

Valve size 口径	NPT/BSP 1/4" 3/8" 1/2" 3/4" 1"（Optional）
Maximum working pressure 最大工作压力	1.0 MPa
Circulation medium 介质	Fluid, air
Working voltage 额定电压	DC5V DC12V DC24V AC/DC9-24V(Optional)
Wiring diagram 接线图	CR201 CR202 CR301 CR302 CR303 CR304 CR305 CR306 CR501 CR502 CR701 CR702 CR703 CR705 CR706(Optional)
Working current 工作电流	≤500mA
Open/close time 开关时间	≤5S
Life time 寿命	70000 times（testing pressure is 0.4MPa,medium is water）
Valve body material 阀材质	SS304 SS316
Actuator material 执行器材质	PPO
Sealing material 密封材料	FKM & PTFE
Actuator rotation 执行器旋转角度	90°
Torque force 扭力	3 N.m
Cable length 线长	0.5m,1.5m（Optional）
Environment temperature 环境温度	-15℃~50℃
Liquid temperature 液体温度	2℃~90℃
Manual override 手动功能	Yes No(Optional)
Open/close indicator 开关指示	Yes No(Optional)
Protection class 保护等级	IP67

Assemble Diagram 组装图



Components 组成

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

DESCRIPTION	D1/D2	d±0.3	L1±1	L2±1	E1±0.5	H1±1	H2
8-S2-B	1/4''	10	51	12	21	70	14
10-S2-B	3/8''	10	51	12	21	70	14
15-S2-B	1/2''	15	62	14	25	72	17
20-S2-B	3/4''	20	72	17	31	75.5	20
25-S2-B	1''	25	79	18	38	78.5	24.5

A20-T Series 2 way SS304 Electric Ball Valve(AC/DC110-230V)

A20-T系列两通不锈钢电动球阀

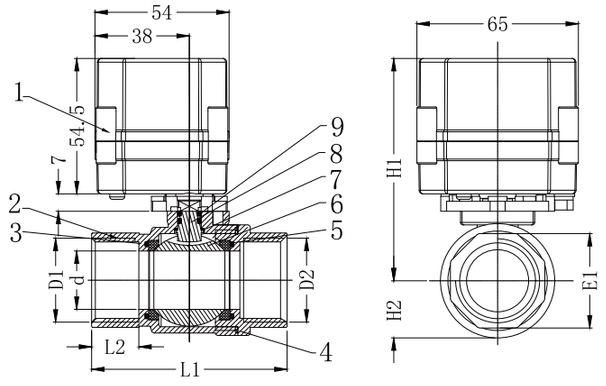
Technical Parameters技术参数:

Valve size 口径	NPT/BSP 1/4" 3/8" 1/2" 3/4" 1"（Optional）
Maximum working pressure 最大工作压力	1.0 MPa
Circulation medium 介质	Fluid, air
Working voltage 额定电压	AC/DC110-230V
Wiring diagram 接线图	CR202 CR303 CR305 CR306 CR401 CR502 CR703 CR704 CR705 CR706(Optional)
Working current 工作电流	≤500mA
Open/close time 开关时间	≤5S
Life time 寿命	70000 times（testing pressure is 0.4MPa,medium is water）
Valve body material 阀材质	SS304 SS316
Actuator material 执行器材质	PPO
Sealing material 密封材料	FKM & PTFE
Actuator rotation 执行器旋转角度	90°
Torque force 扭力	3 N.m
Cable length 线长	0.5m,1.5m（Optional）
Environment temperature 环境温度	-15℃~50℃
Liquid temperature 液体温度	2℃~90℃
Manual override 手动功能	Yes No（Optional）
Open/close indicator 开关指示	Yes
Protection class 保护等级	IP67



T20-S2-C

Assemble Diagram 组装图



Components 组成

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

DESCRIPTION	D1/D2	d±0.3	L1±1	L2±1	E1±0.5	H1±1	H2
8 -S2-C	1/4"	10	51	12	21	82.5	14
10-S2-C	3/8"	10	51	12	21	82.5	14
15-S2-C	1/2"	15	62	14	25	84.5	17
20-S2-C	3/4"	20	72	17	31	88	20
25-S2-C	1"	25	79	18	38	91	24.5

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A20-T Series 2 way UPVC Electric Ball Valve A20-T系列两通UPVC电动球阀



T25-P2-A



T25-P2-B

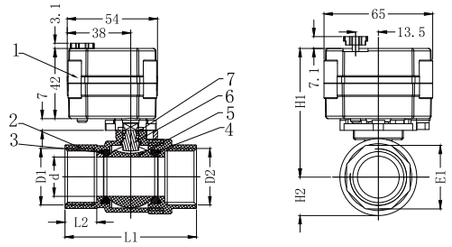


T25-P2-C

Technical Parameters 技术参数:

Product size 口径	NPT/BSP/No Thread Glued Type 1/2" 3/4" 1" 11/4" (Optional)
Maximum working pressure 最大工作压力	1.0 MPa
Circulation medium 介质	Fluid, air
Working voltage 额定电压	DC5V DC12V DC24V AC/DC9-24V (Optional)
Wiring diagram 接线图	CR201 CR202 CR301 CR302 CR303 CR304 CR305 CR306 CR501 CR502 CR701 CR702 CR703 CR705 CR706（Optional）
Working current 工作电流	≤500mA
Open/close time 开关时间	≤8S
Life time 寿命	70000 times（testing pressure is 0.4MPa,medium is water）
Valve body material 阀材质	UPVC
Actuator material 执行器材质	PPO
Sealing material 密封材料	EPDM & PTFE
Actuator rotation 执行器旋转角度	90°
Torque force 扭力	3 N.m
Cable length 线长	0.5m,1.5m (Optional)
Environment temperature 环境温度	-15℃～50℃
Liquid temperature 液体温度	5℃~55℃
Manual override 手动功能	Yes No (Optional)
Open/close indicator 开关指示	Yes No (Optional)
Protection class 保护等级	IP67

Assemble Diagram 组装图



Components 组成

No.	Name	Material	Quantity
1	Actuator	PPO	1
2	Body & Cover	UPVC	1
3	O-ring	EPDM	2
4	Sealing	PTFE	2
5	Ball	UPVC	1
6	Stem	UPVC+SS304	1
7	O-ring	EPDM	1

DESCRIPTION	D1/D2	d±0.3	L1±1	L2±1	E1±0.5	H1±1	H2
15-P2-B	1/2"	14	60	12	29.5	76.3	19.5
20-P2-B	3/4"	17	73	17	37	78	22
25-P2-B	1"	23	80	18	43.5	83	26.5
32-P2-B	1 1/4"	26	94.5	23	50	82	28

A20-T Series 2 way UPVC Electric Ball Valve(AC/DC110-230V)
A20-T系列两通UPVC电动球阀

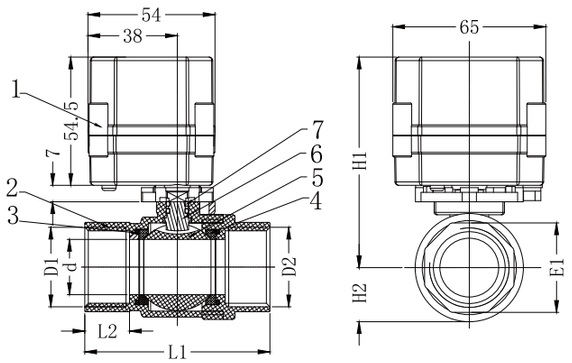
Technical Parameters技术参数:

Product size 口径	NPT/BSP/No Thread Glued Type 1/2" 3/4" 1" 11/4" (Optional)
Maximum working pressure 最大工作压力	1.0 MPa
Circulation medium 介质	Fluid, air
Working voltage 额定电压	AC/DC110-230V
Wiring diagram 接线图	CR202 CR303 CR305 CR306 CR401 CR502 CR703 CR704 CR705 CR706(Optional)
Working current 工作电流	≤500mA
Open/close time 开关时间	≤8S
Life time 寿命	70000 times（testing pressure is 0.4MPa,medium is water）
Valve body material 阀材质	PVC
Actuator material 执行器材质	PPO
Sealing material 密封材料	EPDM & PTFE
Actuator rotation 执行器旋转角度	90°
Torque force 扭力	3 N.m
Cable length 线长	0.5m,1.5m（Optional）
Environment temperature 环境温度	-15℃~50℃
Liquid temperature 液体温度	2℃~55℃
Manual override 手动功能	Yes No（Optional）
Open/close indicator 开关指示	Yes
Protection class 保护等级	IP67



T25-P2-C

Assemble Diagram 组装图



Components 组成

No.	Name	Material	Quantity
1	Actuator	PPO	1
2	Body & Cover	UPVC	1
3	O-ring	EPDM	2
4	Sealing	PTFE	2
5	Ball	UPVC	1
6	Stem	UPVC+SS304	1
7	O-ring	FKM	1

DESCRIPTION	D1/D2	d±0.3	L1±1	L2±1	E1±0.5	H1±1	H2
15-P2-C	1/2"	14	60	12	29.5	88.8	19.5
20-P2-C	3/4"	17	73	17	37	90.5	22
25-P2-C	1"	23	80	18	43.5	95.5	26.5
32-P2-C	1 1/4"	26	94.5	23	50	94.5	28

本手册内容仅供参考，不作为使用时的判定依据，详细技术参数及印刷板图请登录我司网站查询：www.covna-china.com

A20-T Series 3 Way SS304 Electric Ball Valve A20-T系列三通不锈钢电动球阀



T20-S3-A



T20-S3-B

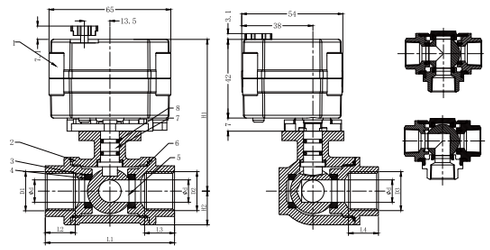


T25-S3-C

Technical Parameters 技术参数:

Product size 口径	NPT/BSP/No Thread Glued Type 1/4" 3/8" 1/2" 3/4" 1" (Optional)
Maximum working pressure 最大工作压力	1.0 MPa
Circulation medium 介质	Fluid, air
Working voltage 额定电压	DC5V DC12V DC24V AC/DC9-24V (Optional)
Wiring diagram 接线图	CR201 CR202 CR301 CR302 CR303 CR304 CR305 CR306 CR501 CR502 CR701 CR702 CR703 CR705 CR706（Optional）
Working current 工作电流	≤500mA
Open/close time 开关时间	≤8S
Life time 寿命	70000 times（testing pressure is 0.4MPa,medium is water)
Valve body material 阀材质	SS304 SS316（Optional）
Actuator material 执行器材质	PPO
Sealing material 密封材料	EPDM & PTFE
Actuator rotation 执行器旋转角度	90°
Torque force 扭力	4 N.m
Cable length 线长	0.5m,1.5m (Optional)
Environment temperature 环境温度	-15℃～50℃
Liquid temperature 液体温度	5℃~55℃
Manual override 手动功能	Yes No (Optional)
Open/close indicator 开关指示	Yes No (Optional)
Protection class 保护等级	IP67

Assemble Diagram 组装图



Components 组成

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

DESCRIPTION	D1/D2/D3	d±0.5	L1±1	L2/L3/L4±0.5	H1±1	H2
8-S3-B	1/4"	6	52	11	71	14
10-S3-B	3/8"	6	52	11	71	14
15-S3-B	1/2"	12	69	17	81	18
20-S3-B	3/4"	15	75	17.5	75.5	20
25-S3-B	1"	18	85	17.5	78.5	23.5

A20-T Series 3 Way SS304 Electric Ball Valve (AC/DC110-230V)
A20-T系列三通不锈钢电动球阀

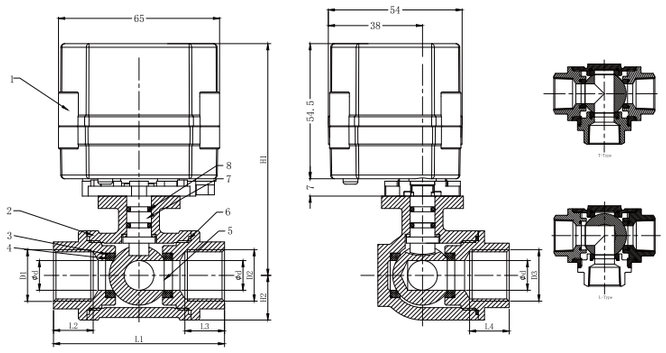
Technical Parameters技术参数:

Product size 口径	NPT/BSP/No Thread Glued Type 1/4" 3/8" 1/2" 3/4" 1" (Optional)
Maximum working pressure 最大工作压力	1.0 MPa
Circulation medium 介质	Fluid, air
Working voltage 额定电压	AC/DC110-230V
Wiring diagram 接线图	CR202 CR303 CR305 CR306 CR401 CR502 CR703 CR704 CR705 CR706(Optional)
Working current 工作电流	≤500mA
Open/close time 开关时间	≤8S
Life time 寿命	70000 times（testing pressure is 0.4MPa,medium is water)
Valve body material 阀材质	Ss304 SS316（Optional）
Actuator material 执行器材质	PPO
Sealing material 密封材料	EPDM & PTFE
Actuator rotation 执行器旋转角度	90°
Torque force 扭力	4 N.m
Cable length 线长	0.5m,1.5m（Optional）
Environment temperature 环境温度	-15℃～50℃
Liquid temperature 液体温度	2℃~55℃
Manual override 手动功能	Yes No（Optional）
Open/close indicator 开关指示	Yes
Protection class 保护等级	IP67



T25-S3-C

Assemble Diagram 组装图



Components 组成

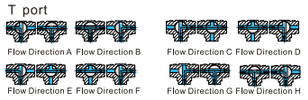
No.	Name	Material	Quantity
1	Actuator	PPO	1
2	Body & Cover	SS304	1
3	O-ring	FKM	4
4	Sealing	PTFE	4
5	Ball	SS304	1
6	Sealing	PTFE	3
7	Stem	SS304	1
8	O-ring	FKM	2

L port



Flow Direction A Flow Direction B

T port



Flow Direction A Flow Direction B Flow Direction C Flow Direction D

Flow Direction E Flow Direction F Flow Direction G Flow Direction H

DESCRIPTION	D1/D2/D3	d±0.5	L1±1	L2/L3/L4±0.5	H1±0.5	H2
8-S3-C	1/4"	6	52	11	83.5	14
10-S3-C	3/8"	6	52	11	83.5	14
15-S3-C	1/2"	12	69	17	93.5	18
20-S3-C	3/4"	15	75	17.5	88	20
25-S3-C	1"	18	85	17.5	91	23.5

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A20-T Series 2 Way SS304 Male Thread Electric Ball Valve（AC/DC110-230V）

A20-T系列两通不锈钢外丝电动球阀

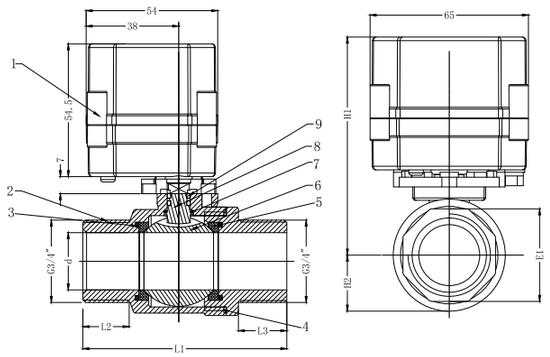
Technical Parameters技术参数:

Product size 口径	BSP 1/2"
Maximum working pressure 最大工作压力	1.0 MPa
Circulation medium 介质	Fluid, air
Working voltage 额定电压	AC/DC110-230V
Wiring diagram 接线图	CR202 CR303 CR305 CR306 CR401 CR502 CR703 CR704 CR705 CR706(Optional)
Working current 工作电流	≤500mA
Open/close time 开关时间	≤5S
Life time 寿命	70000 times（testing pressure is 0.4MPa,medium is water）
Valve body material 阀材质	SS304
Actuator material 执行器材质	PPO
Sealing material 密封材料	EPDM & PTFE
Actuator rotation 执行器旋转角度	90°
Torque force 扭力	3 N.m
Cable length 线长	0.5m,1.5m（Optional）
Environment temperature 环境温度	-15℃~50℃
Liquid temperature 液体温度	2℃~55℃
Manual override 手动功能	Yes No（Optional）
Open/close indicator 开关指示	Yes
Protection class 保护等级	IP67



T15-S2-C

Assemble Diagram 组装图



Components 组成

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

DESCRIPTION	D1/D2	d±0.2	L1±1	L2±1	L3±1	E1±0.5	H1±1	H2
15-S2-C	1/2''	15	68	12	12	25	85	17

A20-T Series 3 Way SS304 Male Thread Electric Ball Valve（AC/DC110-230V）

A20-T系列三通不锈钢外丝电动球阀

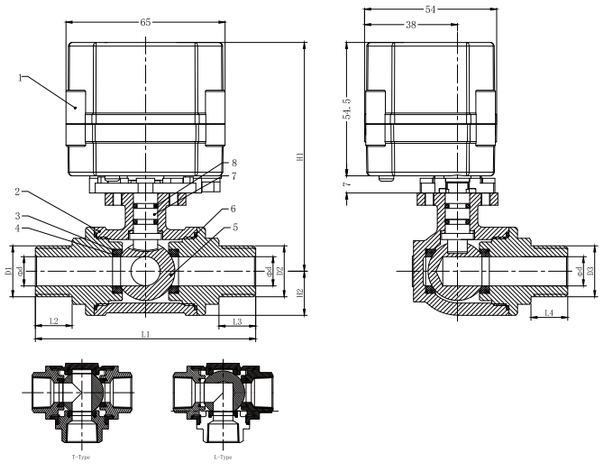
Technical Parameters技术参数:

Valve size 口径	NPT/BSP 1/2"(Optional)
Maximum working pressure 最大工作压力	1.0 MPa
Circulation medium 介质	Fluid, air
Working voltage 额定电压	AC/DC110-230V
Wiring diagram 接线图	CR202 CR303 CR305 CR306 CR401 CR502 CR703 CR704 CR705 CR706(Optional)
Working current 工作电流	≤500mA
Open/close time 开关时间	≤5S
Life time 寿命	70000 times(testing pressure is 0.4MPa,medium is water)
Valve body material 阀材质	SS304
Actuator material 执行器材质	PPO
Sealing material 密封材料	FKM & PTFE
Actuator rotation 执行器旋转角度	90°
Torque force 扭力	3 N.m
Cable length 线长	0.5m,1.5m（Optional）
Environment temperature 环境温度	-15℃~50℃
Liquid temperature 液体温度	2℃~90℃
Manual override 手动功能	Yes No（Optional）
Open/close indicator 开关指示	Yes
Protection class 保护等级	IP67



T15-S3-C

Assemble Diagram 组装图



Components 组成

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

DESCRIPTION	D1/D2/D3	d±0.5	L1±1.5	L2/L3/L4±0.5	H1±1	H2±0.5
15-S3-C	1/2''	12	90	15	93.5	18

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A20-T series 2-way Brass electric ball valve with female and male thread
A20-T系列两通黄铜一内一外螺纹电动球阀

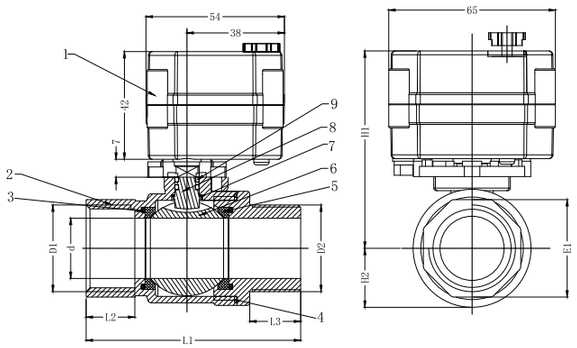
Technical Parameters技术参数:

Valve size 口径	NPT/BSP 1/2" 3/4" 1" (Optional)
Maximum working pressure 最大工作压力	1.0MPa
Circulation medium 介质	Fluid, air
Rated voltage 额定电压	DC5V DC12V DC24V AC/DC9-24V (Optional)
Wiring diagram 接线图	CR201 CR202 CR301 CR302 CR303 CR304 CR305 CR306 CR501 CR502 CR701 CR702 CR703 CR705 CR706 (Optional)
Working current 工作电流	≤500mA
Open/close time 开关时间	≤5S
Life time 工作寿命	70000 times (testing pressure is 0.4MPa,medium is water)
Valve body material 阀材质	Brass
Actuator material 执行器材质	PPO
Sealing material 密封材质	FKM & PTFE
Actuator rotation 执行器旋转角度	90°
Torque force 扭力	3N.m
Cable length 线长	0.5m,1.5m (Optional)
Environment temperature 环境温度	-15℃~50℃
Liquid temperature 液体温度	2℃~90℃
Manual override 手动功能	Yes No (Optional)
Open/close indicator 开关指示	Yes No (Optional)
Protection class 保护等级	IP67



T25-B2-B

Assemble Diagram 组装图



Components 组成

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

DESCRIPTION	D1/D2	d±0.2	L1±1	L2±1	L3±1	E1±0.5	H1±1	H2
15-B2-B	1/2"	15	57	12	12	25	71	16.5
20-B2-B	3/4"	20	72.5	14	14.5	31	74.5	19.5
25-B2-B	1"	23.5	77	16	15	38	76.5	22

A20-T series 2-way SS304 electric ball valve with female and male thread (AC/DC110-230V)
A20-T系列两通不锈钢一内一外螺纹电动球阀 (AC/DC110-230V)

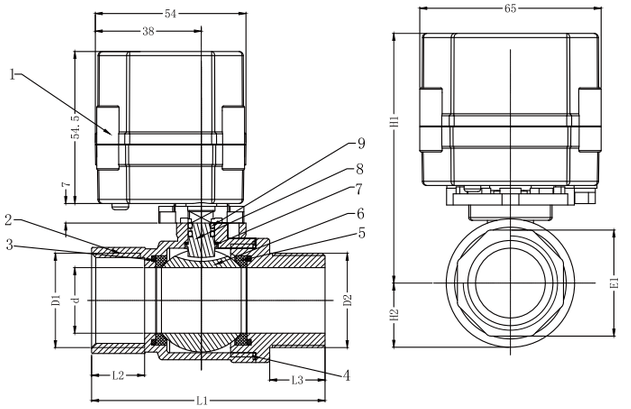
Technical Parameters技术参数:

Valve size 口径	NPT/BSP 3/4" 1" (Optional)
Maximum working pressure 最大工作压力	1.0 MPa
Circulation medium 介质	Fluid, air
Working voltage 额定电压	AC/DC110-230V
Wiring diagram 接线图	CR202 CR303 CR305 CR306 CR401 CR502 CR703 CR704 CR705 CR706(Optional)
Working current 工作电流	≤500mA
Open/close time 开关时间	≤5S
Life time 寿命	70000 times(testing pressure is 0.4MPa,medium is water)
Valve body material 阀材质	SS304
Actuator material 执行器材质	PPO
Sealing material 密封材料	FKM & PTFE
Actuator rotation 执行器旋转角度	90°
Torque force 扭力	3 N.m
Cable length 线长	0.5m,1.5m (Optional)
Environment temperature 环境温度	-15℃~50℃
Liquid temperature 液体温度	2℃~90℃
Manual override 手动功能	Yes No (Optional)
Open/close indicator 开关指示	Yes
Protection class 保护等级	IP67



T20-S2-C

Assemble Diagram 组装图



Components 组成

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

DESCRIPTION	D1/D2	d±0.2	L1±1	L2±1	L3±1	E1±0.5	H1±1	H2
20-S2-C	3/4"	20	80	17	16	31	88	20
25-S2-C	1"	25	90.5	19	19	38	91.5	24.5

A20-T Series 2 Way SS304 Tri-clamp Electric Ball Valve
A20-T系列两通不锈钢快装电动球阀

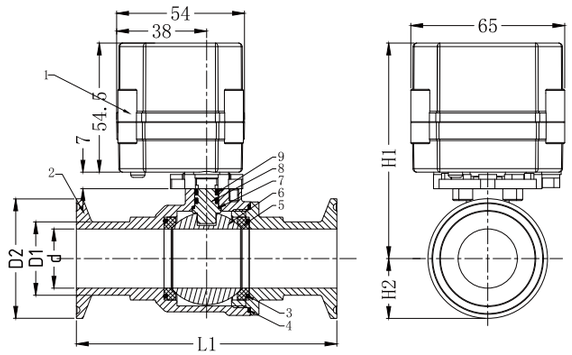
Technical Parameters技术参数:

Valve size 口径	DN10 DN15 DN20 DN25（Optional）
Maximum working pressure 最大工作压力	1.0 MPa
Circulation medium 介质	Fluid, air
Working voltage 额定电压	AC/DC9-24V AC/DC110-230V (Optional)
Wiring diagram 接线图	CR202 CR303 CR305 CR306 CR401 CR502 CR703 CR704 CR705 CR706(Optional)
Working current 工作电流	≤500mA
Open/close time 开关时间	≤5S
Life time 寿命	70000 times（testing pressure is 0.4MPa,medium is water）
Valve body material 阀材质	SS304 SS316
Actuator material 执行器材质	PPO
Sealing material 密封材料	FKM & PTFE
Actuator rotation 执行器旋转角度	90°
Torque force 扭力	3 N.m
Cable length 线长	0.5m,1.5m（Optional）
Environment temperature 环境温度	-15℃~50℃
Liquid temperature 液体温度	2℃~90℃
Manual override 手动功能	Yes No（Optional）
Open/close indicator 开关指示	Yes
Protection class 保护等级	IP67



A20-S2-C

Assemble Diagram 组装图



Components 组成

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

DESCRIPTION	d±0.2	D1±0.2	D2±0.2	L±1	H1±1	H2
25-S2-C	25	31	50.5	110	91	25.25
20-S2-C	20	26	50.5	100	88	25.25
15-S2-C	15	21	50.5	100	85	25.25
10-S2-C	9.5	12.7	25.4	77.5	82.5	14

A20-S Series 2 Way SS304 Timer Drain Valve A20-S系列两通不锈钢时间控制阀

Technical Parameters技术参数:

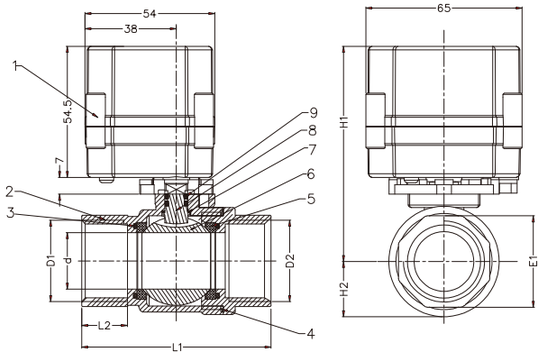
Valve size 口径	NPT/BSP 1/4” 3/8” 1/2” 3/4” 1”(Optional)
Maximum working pressure 最大工作压力	1.0 MPa
Circulation medium 介质	Fluid, air
Valve open /closed time 开关时间	≤ 7S
Working voltage 工作电压	AC/DC9-24V AC/DC110-230V (Optional)
Keeping valve open time 阀开时间范围	00:00:00~99:59:59S
Keeping valve closed time 阀关时间范围	00:00:00~99:59:59S
Working current 工作电流	≤500mA
Life time 寿命	70000 times（testing pressure is 0.4MPa,medium is water）
Valve body material 阀材质	SS304 SS316
Actuator material 执行器材质	PPO
Sealing material 密封材质	FKM & PTFE
Actuator rotation 执行器旋转角度	90°
Torque force 扭力	4N.m
Cable length 线长	0.5m,1.5m（Optional）
Environment temperature 环境温度	-15℃~50℃
Liquid temperature 液体温度	2℃~90℃
Manual override 手动功能	No
Open/close indicator 开关指示	Yes
Protection class 保护等级	IP67



S20-S2-C

Patent Certificate No:
专利号：ZL 2012 2 0538591.4
“Spring return” in case of power is failure (which is optional according to requirements)
可选功能-断电关阀

Assemble Diagram 组装图



Components 组成

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

DESCRIPTION	D1/D2	d±0.3	L1±1	L2±1	E1±0.5	H1±1	H2
8-S2-C	1/4"	10	51	12	21	82.5	14
10-S2-C	3/8"	10	51	12	21	82.5	14
15-S2-C	1/2"	15	62	14	25	84.5	17
20-S2-C	3/4"	20	72	17	31	88	20
25-S2-C	1"	25	79	18	38	91	24.5

A20-T Series 3 Way Horizontal Brass Electric Ball Valve
A20-T系列卧式三通黄铜电动球阀

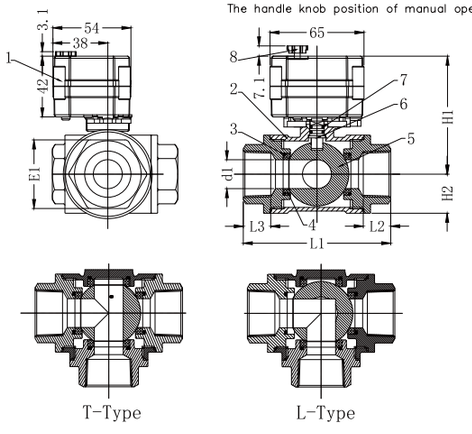
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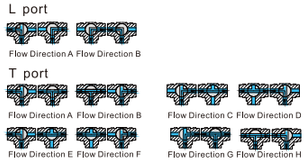
Valve size 口径	NPT/BSP 1/4" 3/8" 1/2" 3/4" 1" (Optional)
Maximum working pressure 最大工作压力	1.0MPa
Circulation medium 介质	Fluid, air
Rated voltage 额定电压	DC5V DC12V DC24V AC/DC9-24V AC/DC110-230V (Optional)
Wiring diagram 接线图	CR201 CR202 CR301 CR302 CR303 CR304 CR305 CR306 CR401 CR501 CR502 CR701 CR702 CR703 CR704 CR705 CR706 (Optional)
Working current 工作电流	≤500mA
Open/close time 开关时间	≤8S
Life time 工作寿命	70000 times (testing pressure is 0.4MPa,medium is water)
Valve body material 阀材质	Brass
Actuator material 执行器材质	PPO
Sealing material 密封材质	FKM & PTFE
Actuator rotation 执行器旋转角度	90°
Torque force 扭力	4N.m
Cable length 线长	0.5m,1.5m (Optional)
Environment temperature 环境温度	-15℃~50℃
Liquid temperature 液体温度	2℃~90℃
Manual override 手动功能	Yes No (Optional)
Open/close indicator 开关指示	Yes No (Optional)
Protection class 保护等级	IP67



T20-B3-B

Assemble Diagram 组装图





Components 组成

No.	Name	Material	Specification	Quantity
1	Actuator	PPO		1
2	Body & Cover	Brass		1
3	O-ring	FKM		4
4	Sealing	PTFE		4
5	Ball	Stainless Steel	304	1
6	Stem	Brass		1
7	O-ring	FKM		2

DESCRIPTION	D1/D2	d1±0.3	L1±1	L2/L3±1	E1±0.5	H1±1	H2
8-B3-B	1/4"	6	51	11	20	65.5	11
10-B3-B	3/8"	6	51	11	20	65.5	11
15-B3-B	1/2"	12	70	17	27	72	17
20-B3-B	3/4"	15	75	17	31	76	20.5
25-B3-B	1"	18	85	17	38	78	22.5

A20-M Series 2 Way SS304 Mod lating Ball Valve
A20-M系列两通不锈钢比例调节阀

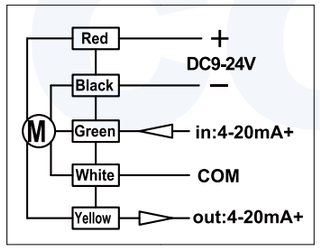
Technical Parameters技术参数:

Valve size 口径	NPT/BSP 1/4" 3/8" 1/2" 3/4" 1" (Optional)
Maximum working pressure 最大工作压力	1.0MPa
Circulation medium 介质	Fluid, air
Rated voltage 额定电压	DC9-24V DC9-45V
Input signal 输入信号	4-20mA 1-5V 2-10V (Optional)
Out put signal 输出信号	PWM 4-20mA 1-5V 2-10V (Optional)
Working current 工作电流	≤500mA
Open/close time 开关时间	≤8S
Life time 工作寿命	70000 times (testing pressure is 0.4MPa,medium is water)
Valve body material 阀材质	SS304 SS316
Actuator material 执行器材质	PPO
Sealing material 密封材质	FKM & PTFE
Ball type 阀球类型	Full port or V 型(Optional)
Torque force 扭力	3 N.m
Cable Length 线长	0.5m 1.5m (Optional)
Environment temperature 环境温度	-15°C~50°C
Liquid temperature 液体温度	2°C～90°C
Manual override 手动功能	No
Open/close indicator 开关指示	Yes No (Optional)
Protection class 保护等级	IP67



M15-S2-C

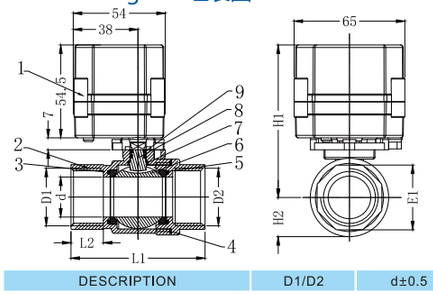
Wiring Diagram接线图



1、RD（红线） 电源+，接DC9~24V正极
2、BK（黑线） 电源-，接DC9~24V负极
3、GR（绿线） 位置输入+，控制电流（4-20mA）正极
4、WT（白线）位置输入-，位置反馈负极
5、YW（黄线）位置反馈+，反馈信号为输出电流4-20mA

1. RD(red cable) connects DC9-24V positive pole
2. BK(black cable) connects DC9 ~ 24V-negative pole
3. GR(green cable) connects position input /control current +/ control voltage +4-20mA
4. WT(white cable) connects common signal input and output signal' s negative
5. YW(yellow cable) connects position feedback positive, output 4-20mA as feedback signal

Assemble Diagram 组装图



Components 组成

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

DESCRIPTION	D1/D2	d±0.5	L1±1	L2±1	E1±0.5	H1±1	H2
8-S2-C	1/4"	10	51	12	21	82.5	14
10-S2-C	3/8"	10	51	12	21	82.5	14
15-S2-C	1/2"	15	62	14	25	84.5	17
20-S2-C	3/4"	20	72	17	31	88	20
25-S2-C	1"	25	79	18	38	91	24.5

A20-T Series 2 Way UPVC Double Union Electric Ball Valve
A20-T 系列两通UPVC双由令电动球阀

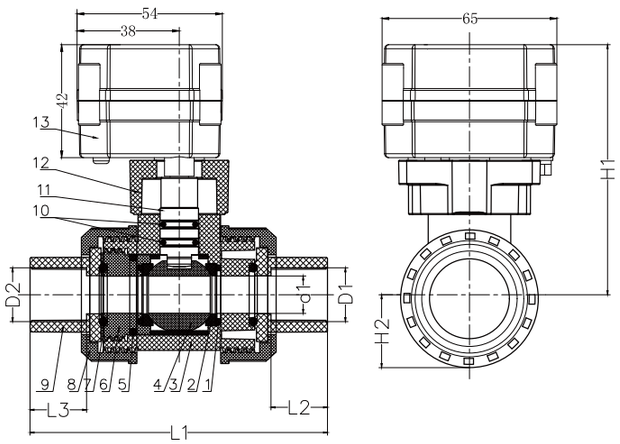
Technical Parameters技术参数:

Valve size 口径	NPT/BSP/No Thread Glued Type 1/2" (Optional)
Maximum working pressure 最大工作压力	1.0 MPa
Circulation medium 介质	Fluid, air
Working voltage 额定电压	DC5V DC12V DC24V AC/DC9-24V (Optional)
Wiring diagram 接线图	CR201 CR202 CR301 CR302 CR303 CR304 CR305 CR306 CR501 CR502 CR701 CR702 CR703 CR705 CR706 (Optional)
Working current 工作电流	≤500mA
Open/close time 开关时间	≤8S
Life time 寿命	70000 times(testing pressure is 0.4MPa,medium is water)
Valve body material 阀材质	UPVC
Actuator material 执行器材质	PPO
Sealing material 密封材料	EPDM/FKM
Actuator rotation 执行器旋转角度	90°
Torque force 扭力	4 N.m
Cable length 线长	0.5m,1.5m (Optional)
Environment temperature 环境温度	-15℃~50℃
Liquid temperature 液体温度	2℃~90℃
Manual override 手动功能	Yes No (Optional)
Open/close indicator 开关指示	Yes
Protection class 保护等级	IP67



T15-P2-C

Assemble Diagram 组装图



Components 组成

No.	Name	Material	Quantity
1	O-ring	EPDM/VITON	2
2	Sealing	PTFE	2
3	Valve body	UPVC	1
4	Ball	UPVC	1
5	O-ring	EPDM/VITON	2
6	Bonnet	UPVC	2
7	O-ring	EPDM/VITON	2
8	Gland	UPVC	2
9	Socket	UPVC	2
10	O-ring	EPDM/VITON	2
11	Stem	PPO	1
12	Holder	PPO	1
13	Acatuator	PPO	1

DESCRIPTION	D1/D2	d±0.5	L1±1.5	L2/L3±0.5	H1±1.5	H2
15-P2-A/C	1/2"	15	107	22.3	88	27.5

A20-T series reduced-port 2-way SS304 electric ball valve
A20-T系列两通不锈钢缩通经电动球阀

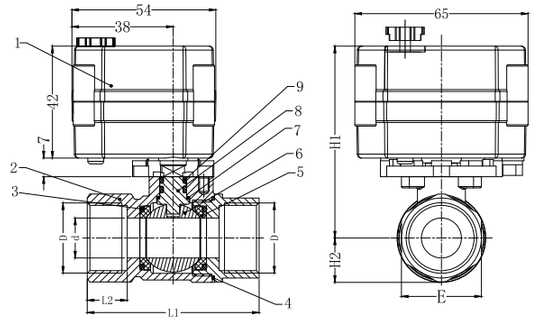
Technical Parameters技术参数:

Valve size 口径	NPT/BSP 1/2" 3/4" 1" (Optional)
Maximum working pressure 最大工作压力	1.0MPa
Circulation medium 介质	Fluid, air
Rated voltage 额定电压	DC5V DC12V DC24V AC/DC9-24V (Optional)
Wiring diagram 接线图	CR201 CR202 CR301 CR302 CR303 CR304 CR305 CR306 CR501 CR502 CR701 CR702 CR703 CR705 CR706 (Optional)
Working current 工作电流	≤500mA
Open/close time 开关时间	≤5S
Life time 工作寿命	70000 times (testing pressure is 0.4MPa,medium is water)
Valve body material 阀材质	SS304 SS316 (Optional)
Actuator material 执行器材质	PPO
Sealing material 密封材质	FKM & PTFE
Actuator rotation 执行器旋转角度	90°
Torque force 扭力	3N.m
Cable length 线长	0.5m,1.5m (Optional)
Environment temperature 环境温度	-15℃~50℃
Liquid temperature 液体温度	2℃~90℃
Manual override 手动功能	Yes No (Optional)
Open/close indicator 开关指示	Yes No (Optional)
Protection class 保护等级	IP67



T20-S2-B

Assemble Diagram 组装图



Components 组成

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

DESCRIPTION	D	d±0.3	L1±1	L2±0.5	E	H1±1	H2
S2-DN15-Ø14-B	1/2"	14	62	14	25	72.5	17
S2-DN20-Ø15-B	3/4"	15	64.5	15	30	72	16.65
S2-DN32-Ø25-B	1-1/4"	25	80	19.5	46	79	24.5

A150-T Series 2 Way SS304 Tri-clamp Electric Ball Valve
A150-T系列两通不锈钢三片式快装电动球阀

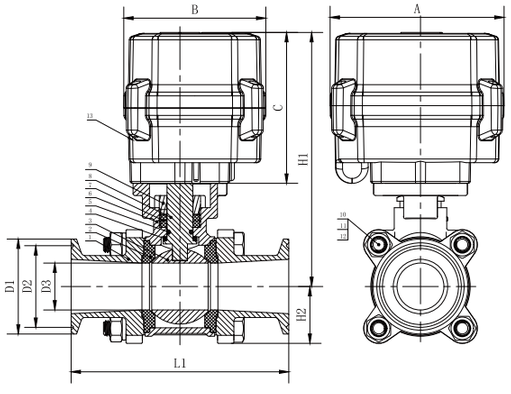
Technical Parameters技术参数:

Valve size 口径	DN15/DN20/DN25/DN32 （Optional ）
Connection standard 连接标准	ISO5211 F03、F05
Output axis specification 输出轴规格	11*11 9*9
Maximum working pressure 最大工作压力	1.0MPa
Circulation medium 介质	Fluid, air
Rated voltage 额定电压	DC12V DC24V AC24V DC12-24V AC110-230V (Optional)
Wiring diagram 接线图	CR201 CR202 CR301 CR303 CR306 CR501 CR502 CR702 CR703 CR706（Optional）
Working current 工作电流	≤1.5A
Open/close time 开关时间	≤12S
Life time 寿命	70000 times（testing pressure is 0.4MPa, medium is water）
Valve body material 阀材质	SS304 SS316（Optional）
Actuator material 执行器材质	PPO
Sealing material 密封材料	FKM & PTFE
Actuator rotation 执行器旋转角度	90°
Torque force 扭力	15 N.m
Cable Length 线长	0.5m ,1.5m（Optional）
Environment temperature 环境温度	-15℃～50℃
Liquid temperature 液体温度	2℃～90℃
Manual operation 手动操作	Yes
Open/close indicator 开关指示	Yes
Protection class 防护等级	IP67



T32-S23-B

Assemble Diagram 组装图



Components 组成

No.	Name	Material	Specification	Quantity
1	Bonnet	Stainless Steel	304	2
2	Sealing	PTFE		2
3	Ball	Stainless Steel	304	1
4	Stem Gasket	PTFE		1
5	O-Ring	FKM		1
6	Body	Stainless Steel	304	1
7	Packing	PTFE		2
8	Stem	Stainless Steel	304	1
9	Packing Gland	Stainless Steel	304	1
10	Bolt	Stainless Steel	304	4
11	Spring Washer	Stainless Steel	304	4
12	Nut	Stainless Steel	304	4
13	Actuator	PPO		1

DESCRIPTION	A	B	C	D1±0.3	D2±0.3	D3±0.5	L1±2	H1±2	H2
15-S23-B	92.6	75.7	80.4	50.5	43.5	15	97.5	123.4	25.25
20-S23-B	92.6	75.7	80.4	50.5	43.5	20	105.5	127.4	28
25-S23-B	92.6	75.7	80.4	50.5	43.5	25	116	135.4	30
32-S23-B	92.6	75.7	80.4	50.5	43.5	32	133.5	140.4	37

A150-T Series 2 Way SS304 Electric Ball Valve
A150-T系列两通不锈钢电动球阀

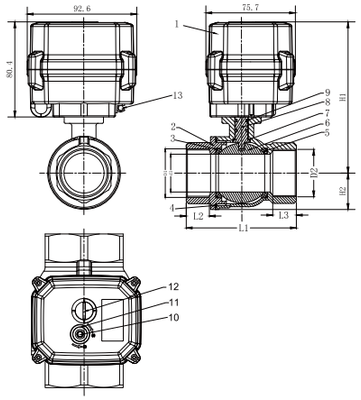
Technical Parameters技术参数:

Valve size 口径	NPT/BSP 1 1/4" 1 1/2" 2" (Optional)
Connection standard 连接标准	ISO5211 F03、F05
Output axis specification 输出轴规格	11*11 9*9
Maximum working pressure 最大工作压力	1.0MPa
Circulation medium 介质	Fluid, air
Rated voltage 额定电压	DC12V DC24V AC24V DC12-24V AC110-230V (Optional)
Wiring diagram 接线图	CR201 CR202 CR301 CR303 CR306 CR501 CR502 CR702 CR703 CR706（Optional）
Working current 工作电流	≤1.5A
Open/close time 开关时间	≤12S
Life time 寿命	70000 times（testing pressure is 0.4MPa, medium is water）
Valve body material 阀材质	SS304 SS316（Optional）
Actuator material 执行器材质	PPO
Sealing material 密封材料	FKM & PTFE
Actuator rotation 执行器旋转角度	90°
Torque force 扭力	15 N.m
Cable Length 线长	0.5m ,1.5m（Optional）
Environment temperature 环境温度	-15℃～50℃
Liquid temperature 液体温度	2℃～90℃
Manual operation 手动操作	Yes
Open/close indicator 开关指示	Yes
Protection class 防护等级	IP67



T50-S2-B

Assemble Diagram 组装图



Components 组成

No.	Name	Material	Specification	Quantity
1	Actuator	PPO		1
2	Body & Cover	Stainless Steel	304	1
3	O-ring	FKM		2
4	Sealing	PTFE		1
5	Sealing	PTFE		2
6	Ball	Stainless Steel	304	1
7	Gasket	PTFE		1
8	Stem	Stainless Steel	304	1
9	O-ring	FKM		2
10	Manual Shaft	Stainless Steel	304	1
11	Oil-seal	NBR		1
12	Indicator	PC		1
13	Hexagon Wrench	Stainless Steel	304	1

DESCRIPTION	D1/D2	d1±0.3	L1±1	L2/L3±1	E1±0.5	H1±1	H2
32-S2-B	1 1/4''	32	102	25	47	125.4	31
40-S2-B	1 1/2''	38	114	26	54	132.4	36
50-S2-B	2''	49	130	27	66	140.4	44.5

A150-T Series 3 Way SS304 Electric Ball Valve
A150-T系列三通不锈钢电动球阀

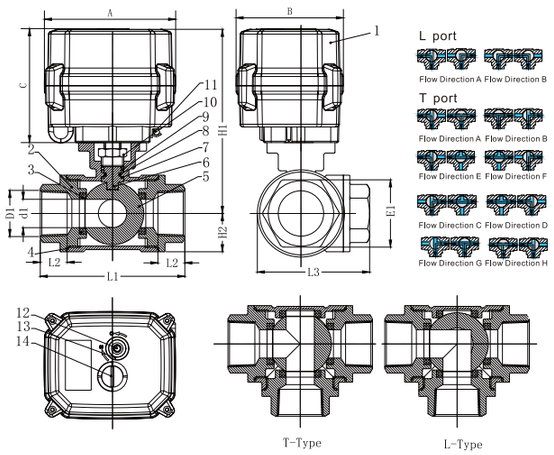
Technical Parameters技术参数:

Valve size 口径	NPT/BSP 1/2" 3/4" 1" (Optional)
Connection standard 连接标准	ISO5211 F03、F05
Output axis specification 输出轴规格	11*11 9*9
Maximum working pressure 最大工作压力	1.0Mpa
Circulation medium 介质	Fluid, air
Rated voltage 额定电压	DC12V DC24V AC24V DC12-24V AC110-230V (Optional)
Wiring diagram 接线图	CR201 CR202 CR301 CR303 CR306 CR501 CR502 CR702 CR703 CR706 (Optional)
Working current 工作电流	≤1.5A
Open/close time 开关时间	≤12S
Life time 寿命	70000 times（testing pressure is 0.4MPa, medium is water）
Valve body material 阀材质	SS304 SS316 （Optional）
Actuator material 执行器材质	PPO
Sealing material 密封材料	PTFE
Actuator rotation 执行器旋转角度	90°
Torque force 扭力	15 N.m
Cable Length 线长	0.5m ,1.5m（Optional）
Environment temperature 环境温度	-15℃~50℃
Liquid temperature 液体温度	2℃ ~ 90℃
Manual operation 手动操作	Yes
Open/close indicator 开关指示	Yes
Protection class 防护等级	IP67



T25-S3-B

Assemble Diagram 组装图



Components 组成

No.	Name	Material	Specification	Quantity
1	Actuator	PPO		1
2	Body & Cover	Stainless Steel	304	1
3	Sealing	PTFE		4
4	Sealing	PTFE		3
5	Ball	Stainless Steel	304	1
6	Stem	Stainless Steel	304	1
7	Stem Gasket	PTFE		1
8	Oil-seal	FKM		1
9	Packing	PTFE		2
10	Packing Gland	Stainless Steel	304	1
11	Hexagon Wrench	Stainless Steel	304	1
12	Manual Shaft	Stainless Steel	304	1
13	Oil-seal	NBR		1
14	Indicator	PC		1

DESCRIPTION	D1	d1±0.3	L1±1	L2±1	E1±0.5	H1±1	H2	L3
15-S3-B	1/2"	12	71	18	25	118	18	53
20-S3-B	3/4"	15	80	20	31	122.4	21	60
25-S3-B	1"	18	87	20	38	131	23.5	68

A150-T Series 2 Way 3-pieces SS304 Electric Ball Valve
A150-T系列两通三片式不锈钢电动球阀

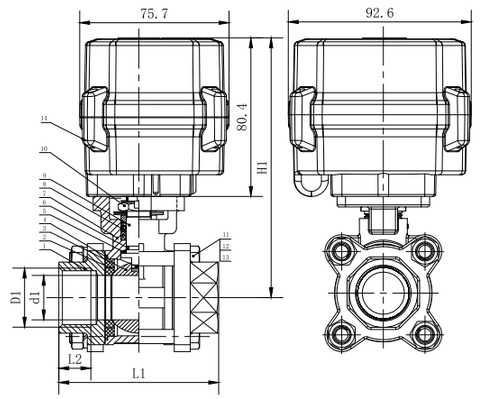
Technical Parameters技术参数:

Valve size 口径	NPT/BSP 1/2" 3/4" 1" 1 1/4" (Optional)
Connection standard 连接标准	ISO5211 F03、F05
Output axis specification 输出轴规格	11*11 9*9
Maximum working pressure 最大工作压力	1.6MPa
Circulation medium 介质	Fluid, air
Rated voltage 额定电压	DC12V DC24V AC24V DC12-24V AC110-230V (Optional)
Wiring diagram 接线图	CR201 CR202 CR301 CR303 CR306 CR501 CR502 CR702 CR703 CR706 (Optional)
Working current 工作电流	≤1.5A
Open/close time 开关时间	≤12S
Life time 寿命	70000 times（testing pressure is 0.4MPa, medium is water）
Valve body material 阀材质	SS304 SS316（Optional）
Actuator material 执行器材质	PPO
Sealing material 密封材料	FKM & PTFE
Actuator rotation 执行器旋转角度	90°
Torque force 扭力	15 N.m
Cable Length 线长	0.5m ,1.5m（Optional）
Environment temperature 环境温度	-15℃ ~ 50℃
Liquid temperature 液体温度	2℃ ~ 90℃
Manual operation 手动操作	Yes
Open/close indicator 开关指示	Yes
Protection class 防护等级	IP67



T25-S23-B

Assemble Diagram 组装图



Components 组成

No.	Name	Material	Specification	Quantity
1	Bonnet	Stainless Steel	304	2
2	Seat	PTFE		2
3	Ball	Stainless Steel	304	2
4	Gasket	PTFE		1
5	Stem Gasket	PTFE		1
6	O-Ring	FKM		1
7	Body	Stainless Steel	304	1
8	Packing	PTFE		2
9	Stem	Stainless Steel	304	1
10	Packing Gland	Stainless Steel	304	1
11	Bolt	Stainless Steel	304	4
12	Spring Washer	Stainless Steel	304	4
13	Nut	Stainless Steel	304	4
14	Actuator	PPO		1

DESCRIPTION	D1±0.5	d1±1	L1±1	L2±1	H1±1
15-S23-B	1/2"	15	68	14	123.4
20-S23-B	3/4"	20	80	16	127.4
25-S23-B	1"	25	87	17	136.4
32-S23-B	1 1/4"	32	100	18	140.4

A150-T Series 2 Way Brass Electric Ball Valve
A150-T系列两通黄铜电动球阀

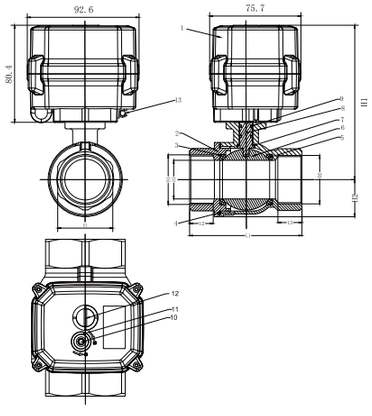
Technical Parameters技术参数:

Valve size 口径	NPT/BSP 1 1/4" 1 1/2" 2" (Optional)
Connection standard 连接标准	ISO5211 F03、F05
Output axis specification 输出轴规格	11*11 9*9
Maximum working pressure 最大工作压力	1.0MPa
Circulation medium 介质	Fluid, air
Rated voltage 额定电压	DC12V DC24V AC24V DC12-24V AC110-230V (Optional)
Wiring diagram 接线图	CR201 CR202 CR301 CR303 CR306 CR501 CR502 CR702 CR703 CR706 (Optional)
Working current 工作电流	≤1.5A
Open/close time 开关时间	≤12S
Life time 寿命	70000 times (testing pressure is 0.4MPa, medium is water)
Valve body material 阀材质	Brass (Optional)
Actuator material 执行器材质	PPO
Sealing material 密封材料	FKM & PTFE
Actuator rotation 执行器旋转角度	90°
Torque force 扭力	15 N.m
Cable Length 线长	0.5m ,1.5m (Optional)
Environment temperature 环境温度	-15℃~50℃
Liquid temperature 液体温度	2℃~90℃
Manual operation 手动操作	Yes
Open/close indicator 开关指示	Yes
Protection class 防护等级	IP67



T50-B2-B

Assemble Diagram 组装图



Components 组成

No.	Name	Material	Specification	Quantity
1	Actuator	PPO		1
2	Body & Cover	Brass		1
3	O-ring	FKM		2
4	Sealing	PTFE		1
5	Sealing	PTFE		2
6	Ball	Stainless Steel	304	1
7	Gasket	PTFE		1
8	Stem	Stainless Steel	304	1
9	O-ring	FKM		2
10	Screw x 4	Stainless Steel	303	1
11	Oil-seal	NBR		1
12	Indicator	PC		1
13	Hexagon Wrench	Stainless Steel	303	1

DESCRIPTION	D1/D2	d1±0.3	L1±1	L2/L3±1	E1±0.5	H1±1	H2
32-B2-B	1 1/4"	32	102	25	47	125.4	31
40-B2-B	1 1/2"	38	114	26	54	132.4	36
50-B2-B	2"	49	130	27	66	140.4	44.5

A150-T Series 2 Way SS304 Tri-clamp Electric Ball Valve
A150-T系列两通快装电动球阀

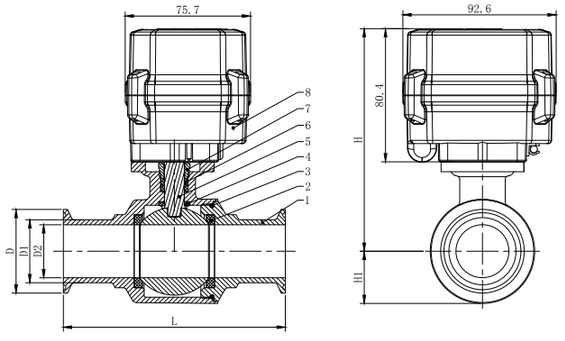
Technical Parameters技术参数:

Valve size 口径	19 25 32 (Optional)
Connection standard 连接标准	ISO5211 F03、F05
Output axis specification输出轴规格	11*11 9*9
Maximum working pressure 最大工作压力	1.0MPa
Circulation medium 介质	Fluid, air
Rated voltage 额定电压	DC12V DC24V AC24V DC12-24V AC110-230V (Optional)
Wiring diagram 接线图	CR201 CR202 CR301 CR303 CR306 CR501 CR502 CR702 CR703 CR706 (Optional)
Working current 工作电流	≤1.5A
Open/close time 开关时间	≤12S
Life time 寿命	70000 times (testing pressure is 0.4MPa, medium is water)
Valve body material 阀材质	SS304 SS316
Actuator material 执行器材质	PPO
Sealing material 密封材料	FKM & PTFE
Actuator rotation 执行器旋转角度	90°
Torque force 扭力	15 N.m
Cable Length 线长	0.5m ,1.5m (Optional)
Environment temperature 环境温度	-15℃~50℃
Liquid temperature 液体温度	2℃~90℃
Manual operation 手动操作	Yes
Open/close indicator 开关指示	Yes
Protection class 防护等级	IP67



A150-T

Assemble Diagram 组装图



Components 组成

No.	Name	Material	Specification	Quantity
1	Body	Stainless Steel	304	1
2	Sealing	PTFE		2
3	O-Ring	FKM		1
4	Stem Gasket	PTFE		1
5	Stem	Stainless Steel	304	1
6	Packing	PTFE		2
7	Packing Gland	Stainless Steel	304	1
8	Actuator	PPO		1

DESCRIPTION	D	D1±0.3	D2±0.3	L±1	H±1	H1
32-S2-B	50.5	32	28.5	120	129	25.25
25-S2-B	50.5	25	22	119	127.5	25.25
19-S2-B	50.5	19	15.5	99	121	25.25

A150-M Series 2 Way SS304 Modulating Electric Ball Valve
A150-M系列两通不锈钢电动比例调节阀

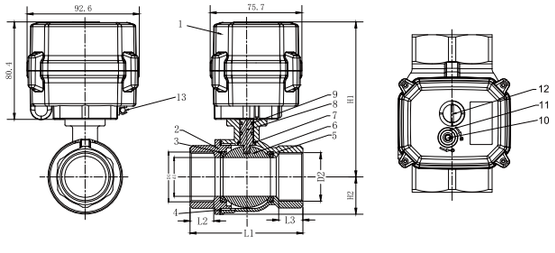
Technical Parameters技术参数:

Valve size 口径	NPT/BSP 1 1/4" 1 1/2" 2" (Optional)
Connection standard 连接标准	ISO5211 F03、F05
Output axis specification输出轴规格	11*11 9*9 (Optional)
Maximum working pressure 最大工作压力	1.0MPa
Circulation medium 介质	Fluid, air
Rated voltage 额定电压	DC12-24V
Input signal 输入信号	4-20mA 1-5V 2-10V (Optional)
Output signal输出信号	4-20mA
Working current 工作电流	≤1.5A
Open/close time 开关时间	≤12S
Life time 寿命	70000 times（testing pressure is 0.4MPa, medium is water）
Valve body material 阀材质	SS304 SS316（Optional）
Actuator material 执行器材质	PPO
Sealing material 密封材料	FKM & PTFE
Torque force 扭力	15 N.m
Cable Length 线长	0.5m ,1.5m（Optional）
Environment temperature 环境温度	-15℃ ~ 50℃
Liquid temperature 液体温度	2℃ ~ 90℃
Manual operation 手动操作	Yes
Open/close indicator 开关指示	Yes
Protection class 防护等级	IP67



A150-M

Assemble Diagram 组装图



Components 组成

No.	Name	Material	Specification	Quantity
1	Actuator	PPO		1
2	Body & Cover	Stainless Steel	304	1
3	O-ring	FKM		2
4	Sealing	PTFE		1
5	Sealing	PTFE		2
6	Ball	Stainless Steel	304	1
7	Gasket	PTFE		1
8	Stem	Stainless Steel	304	1
9	O-ring	FKM		2
10	Manual Shaft	Stainless Steel	304	1
11	Oil-seal	NBR		1
12	Indicator	PC		1
13	Hexagon Wrench	Stainless Steel	304	1

DESCRIPTION	D1/D2	d1±0.3	L1±1	L2/L3±1	E1±0.5	H1±1	H2
32-S2-B	1 1/4''	32	102	25	47	125.4	31
40-S2-B	1 1/2''	38	114	26	54	132.4	36
50-S2-B	2''	49	130	27	66	140.4	44.5

A150-T Series 3 Way PVC Electric Ball Valve
A150-T系列三通UPVC电动球阀

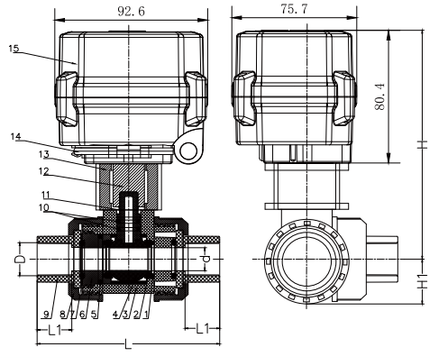
Technical Parameters技术参数:

Valve size 口径	NPT/BSP/No Thread Glued Type 1/2" 3/4" 1" 1 1/4" 1 1/2" 2" (Optional)
Connection standard 连接标准	ISO5211 F03、F05
Output axis specification输出轴规格	11*11 9*9
Maximum working pressure 最大工作压力	1.0MPa
Circulation medium 介质	Fluid, air
Rated voltage 额定电压	DC12V DC24V AC24V DC12-24V AC110-230V (Optional)
Wiring diagram 接线图	CR201 CR202 CR301 CR303 CR306 CR501 CR502 CR702 CR703 CR706（Optional）
Working current 工作电流	≤1.5A
Open/close time 开关时间	≤12S
Life time 寿命	70000 times（testing pressure is 0.4MPa, medium is water）
Valve body material 阀材质	UPVC
Actuator material 执行器材质	PPO
Sealing material 密封材料	EPDM /FKM& PTFE
Actuator rotation 执行器旋转角度	90°
Torque force 扭力	15 N.m
Cable Length 线长	0.5m ,1.5m（Optional）
Environment temperature 环境温度	-15℃ ~ 50℃
Liquid temperature 液体温度	2℃ ~ 55℃
Manual operation 手动操作	Yes
Open/close indicator 开关指示	Yes
Protection class 防护等级	IP67



A150-T

Assemble Diagram 组装图



Components 组成

No.	Name	Material	Specification	Quantity
1	O-ring	EPDM		4
2	Sealing	PTFE		4
3	Valve Body	UPVC		1
4	Ball	CPVC		1
5	O-ring	EPDM		3
6	Bonnet	UPVC		3
7	O-ring	EPDM		3
8	Gland	UPVC		3
9	Socket	UPVC		3
10	O-ring	EPDM		2
11	Stem	CPVC		1
12	Coupling	Stainless Steel	304	1
13	Holder	PA		1
14	Hexagon Wrench	Stainless Steel	304	1
15	Actuator	PPO		1

DESCRIPTION	D1/D2	d±0.3	L±1	L1±1	H±1	H1
15-P3-B	1/2"	14	137	22	133.4	30
20-P3-B	3/4"	22	172	24.5	145.4	38.5
25-P3-B	1"	25	200	28	148.4	46
32-P3-B	1 1/4"	25	208	32	148.4	46
40-P3-B	1 1/2"	38	240	35	172.4	65
50-P3-B	2"	38	246	38	172.4	65

A150-T Series 3 Way Tri-clamp Electric Valve
A150-T系列三通快装电动阀

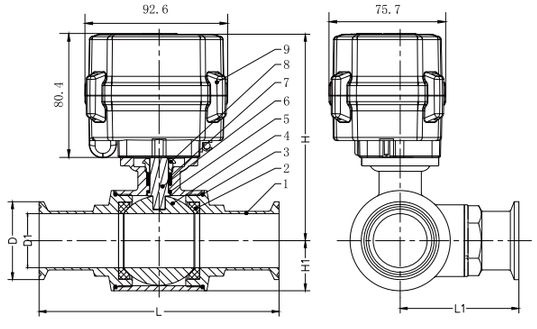
Technical Parameters技术参数:

Valve size 口径	19 25 32（Optional ）
Connection standard 连接标准	ISO5211 F03、F05
Output axis specification输出轴规格	11*11 9*9
Maximum working pressure 最大工作压力	1.0MPa
Circulation medium 介质	Fluid, air
Rated voltage 额定电压	DC12V DC24V AC24V DC12-24V AC110-230V (Optional)
Wiring diagram 接线图	CR201 CR202 CR301 CR303 CR306 CR501 CR502 CR702 CR703 CR706（Optional）
Working current 工作电流	≤1.5A
Open/close time 开关时间	≤12S
Life time 寿命	70000 times（testing pressure is 0.4MPa, medium is water）
Valve body material 阀材质	SS304 SS316
Actuator material 执行器材质	PPO
Actuator rotation 执行器旋转角度	90°
Torque force 扭力	15 N.m
Cable Length 线长	0.5m ,1.5m（Optional）
Environment temperature 环境温度	-15℃～50℃
Liquid temperature 液体温度	2℃～90℃
Manual operation 手动操作	Yes
Open/close indicator 开关指示	Yes
Protection class 防护等级	IP67



A150-T

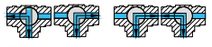
Assemble Diagram 组装图



Components 组成

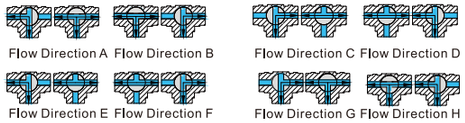
No.	Name	Material	Quantity
1	Body	SS304	1
2	Sealing	PTFE	3
3	O-Ring	VMQ	3
4	Ball	SS304	1
5	Stem Gasket	PTFE	1
6	Stem	SS304	1
7	Packing	PTFE	2
8	Packing Gland	SS304	1
9	Actuator	PP0	1

L port



Flow Direction A Flow Direction B

T port



Flow Direction A Flow Direction B Flow Direction C Flow Direction D

Flow Direction E Flow Direction F Flow Direction G Flow Direction H

DESCRIPTION	D±0.3	D1±0.3	L±1	L1±1	H±1	H1
19-S2-B	50.5	15.5	108	55.5	121.9	25.25
25-S2-B	50.5	21.8	126	61.5	128.4	25.25
32-S2-B	50.5	28.8	136	67.5	129.9	28

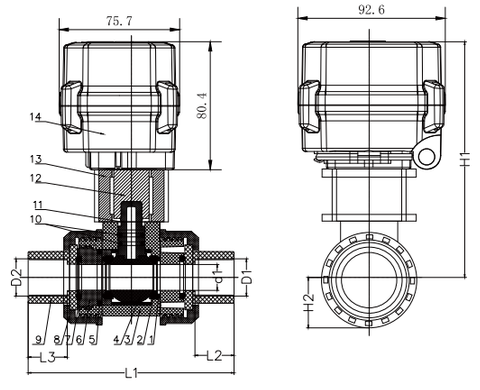
A150-T Series 2 Way UPVC Electric Ball Valve
A150-T系列两通UPVC电动球阀

Technical Parameters技术参数:

Valve size 口径	NPT/BSP/No Thread Glued Type 1/2” 3/4” 1” 1 1/4” 1 1/2” 2” (Optional)
Connection standard 连接标准	ISO5211 F03、F05
Output axis specification输出轴规格	11*11 9*9
Maximum working pressure 最大工作压力	1.0MPa
Circulation medium 介质	Fluid, air
Rated voltage 额定电压	DC12V DC24V AC24V DC12-24V AC110-230V (Optional)
Wiring diagram 接线图	CR201 CR202 CR301 CR303 CR306 CR501 CR502 CR702 CR703 CR706（Optional）
Working current 工作电流	≤1.5A
Open/close time 开关时间	≤12S
Life time 寿命	70000 times（testing pressure is 0.4MPa, medium is water）
Valve body material 阀材质	UPVC
Actuator material 执行器材质	PPO
Sealing material 密封材料	FKM/EPDM & PTFE
Actuator rotation 执行器旋转角度	90°
Torque force 扭力	15 N.m
Cable Length 线长	0.5m ,1.5m（Optional）
Environment temperature 环境温度	-15℃～50℃
Liquid temperature 液体温度	2℃～55℃
Manual operation 手动操作	Yes
Open/close indicator 开关指示	Yes
Protection class 防护等级	IP67



T50-P2-B



Components 组成

No.	Name	Material	Quantity
1	O-ring	EPDM/VITON	2
2	Sealing	PTFE	2
3	Valve Body	UPVC	1
4	Ball	UPVC	1
5	O-ring	EPDM/VITON	2
6	Bonnet	UPVC	2
7	O-ring	EPDM/VITON	2
8	Gland	UPVC	2
9	Socket	UPVC	2
10	O-ring	EPDM/VITON	2
11	Stem	UPVC	1
12	Coupling	PA/304	1
13	Holder	PA/304	1
14	Actuator	PPO	1

DESCRIPTION	D1/D2	d1±0.3	L1±1	L2/L3±1	H1±1	H2	D1/D2			
15-P2-B	1/2"	15	107	22.3	136.7	27.5	21.54	20.30	22.4	22.40
20-P2-B	3/4"	20	115	25.5	141.2	32	26.87	25.30	26.45	26.40
25-P2-B	1"	25	129	28.6	156.25	37.25	33.65	32.30	32.55	34.50
32-P2-B	1 1/4"	32	144	32	162.4	42.75	42.42	40.30	38.60	42.50
40-P2-B	1 1/2"	40	161	35	174	50	48.56	50.30	48.70	48.60
50-P2-B	2"	50	173	38	194.4	60	60.63	63.30	60.80	60.60
							ANSI	DIN	JIS	CNS

A150-T Series UPVC Electric Flange Valve
A150-T系列UPVC电动法兰阀

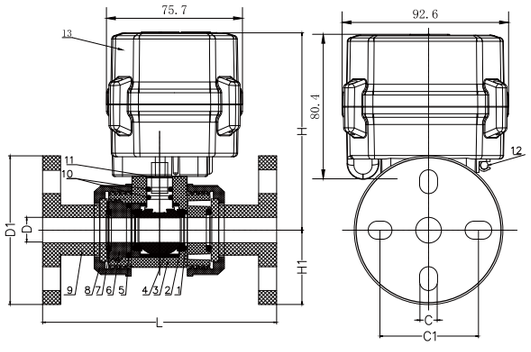
Technical Parameters技术参数:

Valve size 口径	DN15 DN20 DN25 DN32 DN40 DN50 (Optional)
Connection standard 连接标准	ISO5211 F03、F05
Output axis specification输出轴规格	11*11 9*9
Maximum working pressure 最大工作压力	1.0MPa
Circulation medium 介质	Fluid, air
Rated voltage 额定电压	DC12V DC24V AC24V DC12-24V AC110-230V (Optional)
Wiring diagram 接线图	CR201 CR202 CR301 CR303 CR306 CR501 CR502 CR702 CR703 CR706（Optional）
Working current 工作电流	≤1.5A
Open/close time 开关时间	≤12S
Life time 寿命	70000 times（testing pressure is 0.4MPa, medium is water）
Valve body material 阀材质	UPVC
Actuator material 执行器材质	PPO
Sealing material 密封材料	EPDM/FKM &PTFE（Optional）
Actuator rotation 执行器旋转角度	90°
Torque force 扭力	15 N.m
Cable Length 线长	0.5m ,1.5m（Optional）
Environment temperature 环境温度	-15℃～50℃
Liquid temperature 液体温度	2℃～55℃
Manual operation 手动操作	Yes
Open/close indicator 开关指示	Yes
Protection class 防护等级	IP67



A150-T

Assemble Diagram 组装图



Components 组成

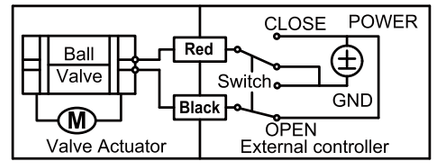
No.	Name	Material	Quantity
1	O-ring	EPDM/VITON	2
2	Sealing	PTFE	2
3	Valve Body	UPVC	1
4	Ball	UPVC	1
5	O-ring	EPDM/VITON	2
6	Bonnet	UPVC	2
7	O-ring	EPDM/VITON	2
8	Gland	UPVC	2
9	Socket	UPVC	2
10	O-ring	EPDM/VITON	2
11	Stem	UPVC+ Stainless Steel	1
12	Hexagon Wrench	Stainless Steel	1
13	Actuator	PPO	1

DESCRIPTION	D±0.3	D1±0.3	L±1	C±0.3	C1±0.3	H±0.3	H1±1
15-P2-B	15	95	146	14	64	47	116
20-P2-B	20	104	163	14	71	52	124
25-P2-B	25	118	182	16	83	59	129
32-P2-B	32	139	194	16	93	69.5	138
40-P2-B	40	149	212	18	102	74.5	144.5
50-P2-B	50	164	241	18	122	82	156.5

Wiring Diagram

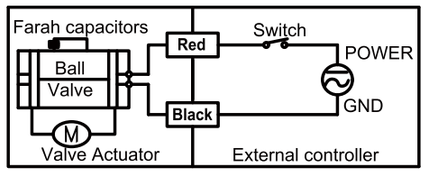
■ CR201 Wiring Diagram (2 wires control)

·Red connect with positive, the Black connect with negative, the valve closed, the actuator automatically power off after in place , the valve remains fully closed position
·Black connect with positive, the Red connect with negative, the valve open, the actuator automatically power off after in place, the valve remains fully open position
• Suitable Working Voltage: DC5V,DC12V,DC24V
• Exceeding the working voltage is forbidden



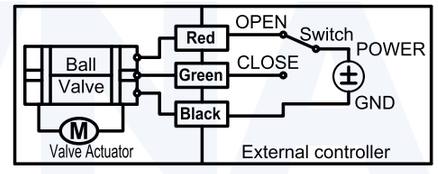
■ CR202 Wiring Diagram (2 wires control – Capacitors return in case of the power is failure)

·When SW is closed , the valve OPEN. the actuator automatically power off after in place
·When SW is open, the valve CLOSED, the actuator automatically power off after in place
• Suitable Working Voltage: AC/DC9-24V AC/DC110-230V
• Exceeding the working voltage is forbidden



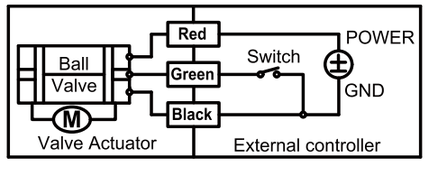
■ CR301 Wiring Diagram (3 wires control)

·Red & Green connect with positive, Black connect with negative
·When OPEN(Red) & SW connected , the valve OPEN, the actuator automatically power off after in place , valve remains fully open position
·When CLOSE(Green) & SW connected, the valve CLOSED, the actuator automatically power off after in place, valve remains fully closed position
• Suitable Working Voltage: DC5V,DC12V,DC24V
• Exceeding the working voltage is forbidden



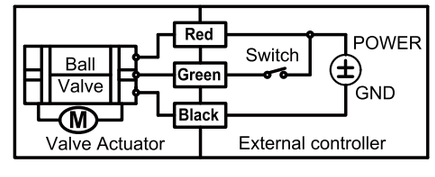
■ CR302 Wiring Diagram (3 wires control)

·Red connect with positive, the Black & Green connect with negative
·SW CLOSED, the valve OPEN, the actuator automatically power off after in place
·SW OPEN, the valve CLOSED, the actuator automatically power off after in place
• Suitable Working Voltage: DC9-24V
• Exceeding the working voltage is forbidden



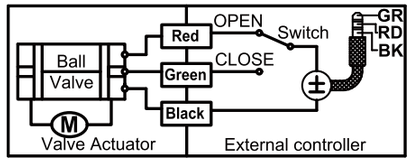
■ CR303 Wiring Diagram (3 wires control)

·Red & Green connect with positive, the Black connect with negative
·SW CLOSED, the valve OPEN, the actuator automatically power off after in place
·SW OPEN, the valve CLOSED, the actuator automatically power off after in place
• Suitable Working Voltage: DC12V,DC24V,AC/DC9-24V,AC/DC110-230V,AC/DC9-29V
• Exceeding the working voltage is forbidden

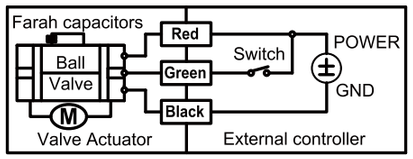


■ CR304 Wiring Diagram (3 wires control)

·Red & Green connected with positive, and the Black connected with negative
·When Red & SW connected, the valve closed, the actuator automatically power off after in place , remains fully closed position
·When Green & SW connected, the valve open, the actuator automatically power off after in place , remains fully open position
• Suitable Working Voltage: DC5V,DC12V, DC9-24V
• Exceeding the working voltage is forbidden



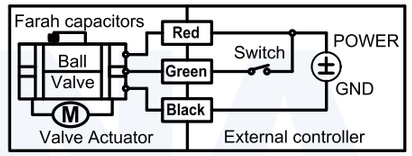
■ CR305 Wiring Diagram (3 wires control – Capacitors return incase of the power is failure)



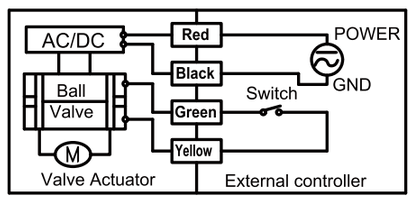
·Red & Green connect with positive, the Black connect with negative
·SW CLOSED, the valve OPEN, the actuator automatically power off after in place
·SW OPEN, the valve CLOSED, the actuator automatically power off after in place
When external power off, the valve CLOSED, the actuator automatically power off after in place
• Suitable Working Voltage: AC/DC9-24V,AC/DC110-230V
• Exceeding the working voltage is forbidden

■ CR306 Wiring Diagram (3 wires control – Capacitors return in case of the power is failure)

·Red & Green connect with positive, the Black connect with negative
·SW CLOSED, the valve OPEN, the actuator automatically power off after in place
·SW OPEN, the valve CLOSED, the actuator automatically power off after in place
When external power off, the valve OPEN, the actuator automatically power off after in place
• Suitable Working Voltage: AC/DC9-24V,AC/DC110-230V
• Exceeding the working voltage is forbidden



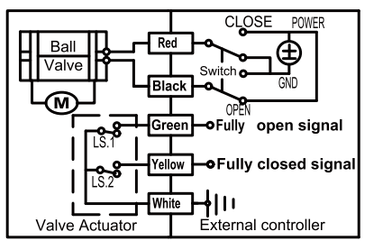
■ CR401 Wiring Diagram (4 wires control)



·Red & Black are connected to the power, Green & Yellow are connected to the controlled wiring
·When the SW is closed , the valve open
·When the SW is OPEN , the valve CLOSED Suitable Working Voltage:AC/DC110V-230V
Exceeding the working voltage is forbidden
The control wiring with power DC5V , when muitiple motorized valves are working in paralled , must put the same color control wiring together, otherwise the valve could not working normally

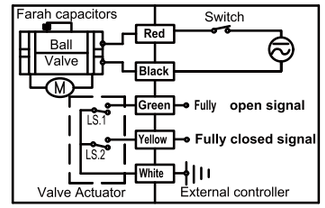
■ CR501 Wiring Diagram (5 wires control with feedback signal)

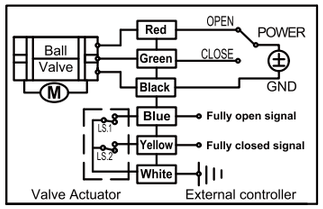
·Red connect with positive, the Black connect with negative, the valve closed, the actuator automatically power off after in place
·Black connect with positive, the Red connect with negative, the valve open, the actuator automatically power off after in place
·Green & White connect with the valve's fully open signal wiring
·Yellow & White connect with the valve's fully closed signal wiring
• Suitable Working Voltage:DC5V,DC12V,DC24V
• Exceeding the working voltage is forbidden
• Feedback signal load capacity:0.3A 24VACDC(resistive load)



■ CR502 Wiring Diagram (5 wires control - Capacitors return in case of the power is failure & feedback signal)

·When SW is closed , the valve OPEN. the actuator automatically power off after in place
·When SW is open, the valve CLOSED, the actuator automatically power off after in place
·Green & White connect with the valve's fully open signal wiring
·Yellow & White connect with the valve's fully closed signal wiring
• Suitable Working Voltage: AC/DC9-24V, AC/DC110V-230V
• Exceeding the working voltage is forbidden
• Feedback signal load capacity:0.3A 24VACDC(resistive load)



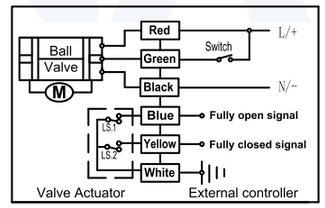


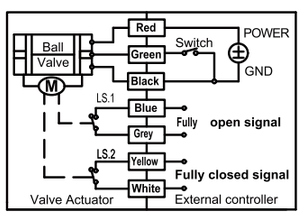
■ CR602 Wiring Diagram (6 wires control with feedback signal)

·Red & Green connect with positive, the Black connect with negative
·When Red & SW connected, the valve OPEN, the actuator automatically power off after the valve fully open
·When Green & SW connected, the valve CLOSED, the actuator automatically power off after the valve fully closed
·Blue & White connect with the valve's fully open signal wiring
·Yellow & White connect with the valve's fully closed signal wiring
• Suitable Working Voltage: ,DC12V,DC24V AC24V DC12-24V
• Exceeding the working voltage is forbidden
• Feedback signal load capacity:0.3A 24VACDC(resistive load)

■ CR603 Wiring Diagram (6 wires control with feedback signal)

Red & Green connect with positive, the Black connect with negative
·SW CLOSED, the valve OPEN, the actuator automatically power off after in place
·SW OPEN, the valve CLOSED, the actuator automatically power off after in place
·Blue & White connect with the valve's fully open signal wiring
·Yellow & White connect with the valve's fully closed signal wiring
• Suitable Working Voltage: DC12V, DC24V
• Exceeding the working voltage is forbidden
• Feedback signal load capacity:0.3A 24VACDC(resistive load)



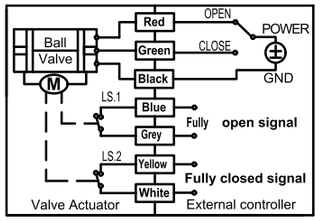


■ CR701 Wiring Diagram (7 wires control with feedback signal)

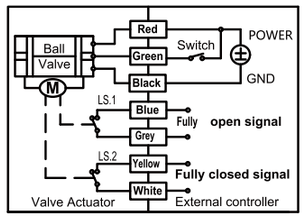
·Red connect with positive
·Green connect with SW and negative wiring
·Black connect with negative wiring
.When SW close. the valve OPEN, and keeping fully open
.When SW open. the valve CLOSED, and keeping fully closed
.Blue & Grey connect with the valve's fully open signal wiring
.Yellow & White connect with the valve's fully closed signal wiring
• Suitable Working Voltage: DC9-24V
• Exceeding the working voltage is forbidden
• Feedback signal load capacity:0.3A 24VACDC(resistive load)

CR702 Wiring Diagram
(7 wires control with feedback signal)

·Red & Green connect with positive, the Black connect with negative
·When Red & SW connected, the valve OPEN, the actuator automatically power off after the valve fully open
·When Green & SW connected, the valve CLOSED, the actuator automatically power off after the valve fully closed
·Blue & Grey connect with the valve's fully open signal wiring
·Yellow & White connect with the valve's fully closed signal wiring
• Suitable Working Voltage: DC5V,DC12V,DC24V
• Exceeding the working voltage is forbidden
• Feedback signal load capacity:0.3A 24VACDC(resistive load)



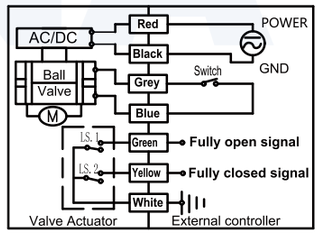
CR703 Wiring Diagram
(7 wires control with feedback signal)



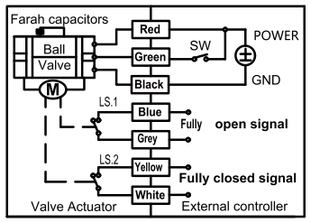
·Red & Green connect with positive, the Black connect with negative
·SW CLOSED, the valve OPEN, the actuator automatically power off after in place
·SW OPEN, the valve CLOSED, the actuator automatically power off after in place
·Blue & Grey connect with the valve' s fully open signal wiring
·Yellow & White connect with the valve' s fully closed signal wiring
• Suitable Working Voltage: DC12V,DC24V,AC/DC9-24V,AC110-230V
• Exceeding the working voltage is forbidden
• Feedback signal load capacity:0.3A 24VACDC(resistive load)

CR704 Wiring Diagram
(7 wires control with feedback signal)

·Red & Black are connected to the power, Blue & Grey are connected to the controlled wiring
·When the SW is closed , the valve open
·When the SW is open , the valve closed
·Green & White connect with the valve's fully OPEN signal wiring
·Yellow & White connect with the valve's fully CLOSED signal wiring
• Suitable Working Voltage: AC/DC110V-230V
• Exceeding the working voltage is forbidden
• Feedback signal load capacity:0.3A 24VACDC(resistive load)



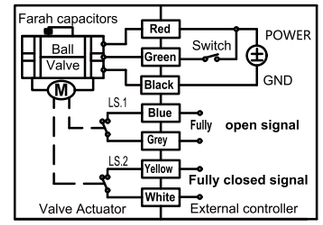
CR705 Wiring Diagram (7 wires control - Capacitors return in case of the power is failure & feedback signal)



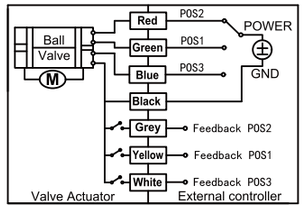
·Red & Green connect with positive, the Black connect with negative
·SW CLOSED, the valve OPEN, the actuator automatically power off after in place
·SW OPEN, the valve CLOSED, the actuator automatically power off after in place
·When external power off, the valve **closed**, the actuator automatically power off after in place
·Blue & Grey connect with the valve's fully open signal wiring
·Yellow & White connect with the valve's fully closed signal wiring
• Suitable Working Voltage: AC/DC9-24V,AC/DC110-230V
• Exceeding the working voltage is forbidden
• Feedback signal load capacity:0.3A 24VACDC(resistive load)

CR706 Wiring Diagram (7 wires control - Capacitors return in case of the power is failure & feedback signal)

·Red & Green connect with positive, the Black connect with negative
·SW CLOSED, the valve OPEN, the actuator automatically power off after in place
·SW OPEN, the valve CLOSED, the actuator automatically power off after in place
·When external power off, the valve **open**, the actuator automatically power off after in place
·Blue & Grey connect with the valve's fully open signal wiring
·Yellow & White connect with the valve's fully closed signal wiring
• Suitable Working Voltage: AC/DC9-24V,AC/DC110-230V
• Exceeding the working voltage is forbidden
• Feedback signal load capacity:0.3A 24VACDC(resistive load)



CR707 Wiring Diagram



·Red connect positive,Black connect negative, valve turn to position 2 and hold
·Green connect positive,Black connect negative,valve turn to position 1 and hold
·Blue connect positive,Black connect negative,valve turn to position 3 and hold
·Grey and black valve position 2 Signal wire.
·Yellow and black valve position 1 Signal wire.
·White and black valve position 3 Signal wire.
• Working voltage: DC12V/DC24V
• Do not operate above voltage
• Feedback load capacity: 1、Maximum voltage DC36
2、Maximum current 0.4A

A150 SERIES MODULATING VALVE WIRE DIAGRAM

·Red connect +, Black -.
·Green connect input signal +(4-20mA, 0-5V, 0-10V) , Black connect input signal-.
·Yellow connect err output signal.Yellow & Red are disconnected when there is err.
·White connect 4-20mA output .

