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台州通禾流体控制股份有限公司

Taizhou Tonhe Flow Control Co.,Ltd.

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TONHEFLOW®

CATALOGUE

2019通禾产品目录



台州通禾流体控制股份有限公司

Taizhou Tonhe Flow Control Co.,Ltd.

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公 司 核 心 理 念

诚信、创新、卓越、互惠

通禾，为人们享受更好的智能化控制流体。

为了遇见明天更好的你，用心工作，超越自我！

创造业内优秀的产品，缔造员工向往的企业。



公 司 大 事 记

2019--扩大生产规模，迁入自有厂房
2019--研发A150系列调节型电动执行器
2018--“通禾” 商标注册
2018--参加上海国际泵管阀展
2017--扩大生产规模，迁入新厂房
2017--研发A150 系列电动执行器
2017--参加上海国际泵管阀展
2016--获得浙江省高成长科技型中小企业
2016--拓展进料加工贸易
2016--研发A20系列调节型电动球阀
2015--“TH, TONHEFLOW” 通过商标注册
2015--获得浙江省科技型中小企业证书
2014--获得台州市高新技术企业证书
2014--参加第18届广州流体展
2014--研发家庭防漏水控制器
2014--不锈钢电动阀通过美国NSF认证
2013--参加第17届广州流体展
2013--公司通过SGS ISO 9001: 2008管理体系审核
2012--研发智能定时控制电动球阀
2011--电动球阀通过欧盟CE认证
2009--研发A20、A100系列开关型电动球阀
2009--台州通禾公司成立
2008--研发A10系列电动阀

2019 - Expanded the production scale and moved into the self-owned plant
2019 - R&D A150 series proportional electric actuators
2018 - Registered "通禾" trademark
2018 - Participated in FLOWTECH CHINA 2018 Exhibition
2017 - Expanded the production scale and moved into a new plant
2017 - R & D A150 series electric actuators
2017 - Participated in FLOWTECH CHINA 2017 Exhibition
2016 - Got high growth and technology small and medium-sized enterprises in Zhejiang
2016 - Expanded import processing trade
2016 - R & D A20 Series proportional motorized valve
2015 - "TH, TONHEFLOW" is registered with the trademark
2015 - Got Zhejiang Province science and technology SME certificate
2014 - Got Taizhou high-tech enterprise certificate
2014 - Participated in 18th Guangzhou Flow Show
2014 - R & D home water leaking detection controller
2014 - Stainless steel electric valve USA NSF approved
2013 - Participate in 17th Guangzhou Flow Exhibition
2013 - Passed the SGS ISO 9001: 2008 management system audit
2012 - R & D smart timer control electric ball valve
2011 - electric ball valve approved the European Union CE certification
2009 - R & D A20, A100 series electric shut off ball valve
2009 - Taizhou Tonhe company was established
2008 - R & D A10 series electric valve



台州通禾流体控制股份有限公司于2008年开始专业从事电动球阀、电动执行器、无线防漏水报警控制系统、智能化流体控制的开发、设计、制造、销售及技术服务，是一家中小型科技创新企业。通禾主要生产1/4"至2"开关型电动球阀、调节型电动球阀、智能定时阀、家庭用水防泄漏监测系统等系列产品。其中多个产品系列已顺利通过NSF61-G、CE、ROHS等国际认证。电动球阀产品结构紧凑、外型美观，具有智能控制、低工作电流、高密封性等特点，广泛应用于气泵储气缸自动排水、自动浇灌、水处理、高效节水、工业自控等小型设备，产品应用前景广阔，社会经济效益明显。

通禾公司发展迅速，一直坚持“诚信、创新、卓越、互惠”的核心理念，以“创造业内优秀的产品”为己任，致力于让人们享受更好的智能化控制流体。通禾注重产品的研发投入和科技创新，长期与专业科研单位、设计院共同合作开发，使产品不断改良、创新，实现卓越。时至今日，已申请实用新型专利8项。2013年通过了SGS公司的ISO 9001:2008质量管理体系认证体系，2014年被认定为台州市市级高新技术企业，2015年成为浙江省科技型中小企业，2016年被认定为浙江省高成长科技型中小企业，并获得多项荣誉称号。通禾产品生产采用机械化流水线操作，力求以卓越稳定的质量满足客户需求。通禾产品远销世界各地，主要为欧美国家，一直深得客户信赖和好评。

通禾把人才视为企业的最大财富，致力于缔造员工向往的企业，注重优秀人才的引进、培养和人才资源开发，以稳定的人才梯队实现企业的可持续发展，每年选拔一批有潜力的员工前往培训、学习，以实现员工与企业的共同成长，让企业成为所有员工共有的精神家园。“雄关漫道真如铁，而今漫步从头越”，在新的历史时期、新的历史机遇面前，“为了遇见明天更好的你”，通禾公司上下必然会用心工作，矢志不渝、坚忍不拔，不断超越自我，追求卓越。通禾真诚地希望能与广大新老客户、优秀人才抓住最好的历史机遇，并与来自五湖四海的客户建立长期的合作关系，共同成长、共创佳绩、共享发展，互惠互利，实现双赢。

Taizhou Tonhe Flow Control Co., Ltd. is specialized in the development, design, manufacture, sales and technical service of electric ball valve, electric actuator, wireless leak alarm control system and intelligent fluid control. It is a small and medium-sized scientific and technological innovation enterprise. We mainly produces motorized shut off ball valve from 1/4" to 2", proportional electric ball valve, intelligent timer controlled valve, household water leakage detection system and other products. Some valves approved NSF61-G, CE, ROHS and other international certification. The motorized valve has compact size with smart shape, Perform reliably, with long life time, intelligent control, high torque actuators, low noise, no leak, and many other features. Which are widely used in air pump tank automatic drainage, automatic watering, water treatment, energy saving, industrial automation and other small equipment. They have broad application prospects, obvious social and economic benefits.

Tonhe grown rapidly, adhere to the core values of "integrity innovation excellence reciprocity", the core concept of "creating the industry's outstanding products" as their duty and commitment to allow people to enjoy better intelligent control of the fluid. We focus on product research & development and scientific & technological innovation, cooperate with professional research unit design institute development for a long time, so as to make products get improve, innovation and achieve excellence continuously. Till now we have applied for 8 patents of utility model. In 2013 passed ISO 9001: 2008 quality management certification system. In 2014 was identified as Taizhou municipal high-tech enterprises. In 2015 become small and medium-sized enterprises in Zhejiang Province. In 2016 was identified as high-growth technology in Zhejiang Province Small and medium enterprises, and received many of honorary titles. Our product production using mechanized pipeline operation, and strive to excellent quality and stability to meet customer needs. Our products are exported to many places of the world, mainly in Europe & America, and won the customer's trust and praise.

Tonhe take talent as the greatest wealth of enterprises, is committed to creating employees yearning for enterprises, pay attention to the introduction of talents, training and human resources development, to stabilize the talent so as to achieve sustainable development of enterprises. All of our TONHE employees are abound to work hard, and constantly go beyond ourselves. Tonhe sincerely hope to establish long-term cooperative relations with all of old and new customers, grow up together, share development and benefit, mutual reciprocity and mutual benefit, to achieve a win-win situation.

认证资质



Certified to
NSF/ANSI 61-G

IP67

防护等级IP67



欧洲CE认证, 质量与安全认证中心

RoHS

欧盟RoHS认证



美国NSF-61-G



CE-EMC



CE-LVD



RoHS认证报告



浙江高成长科技型中小企业



高新技术企业证书

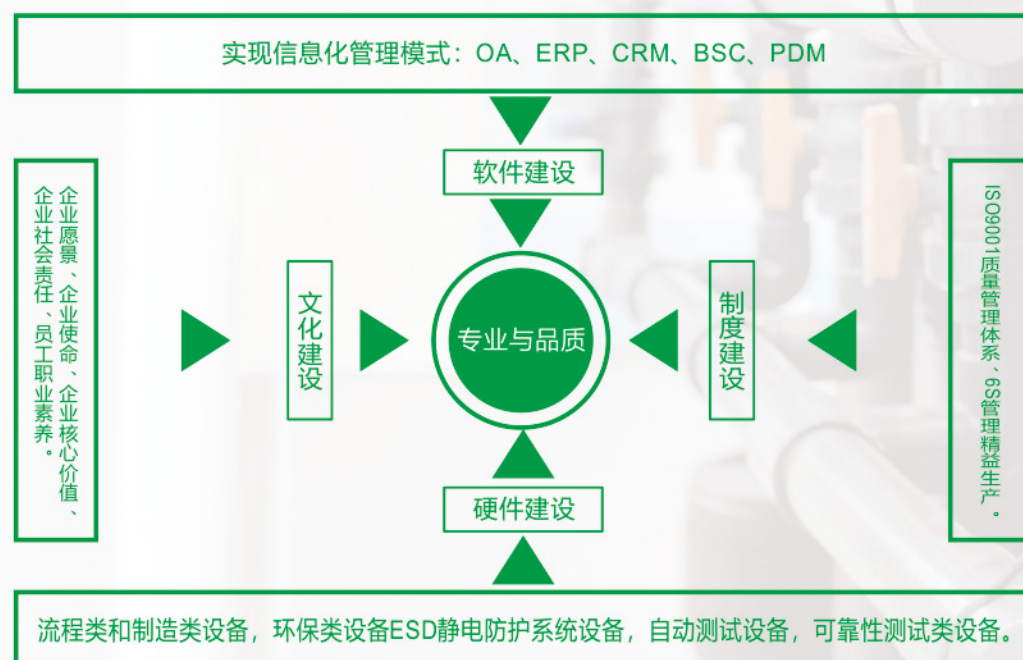


ISO 9001:2015

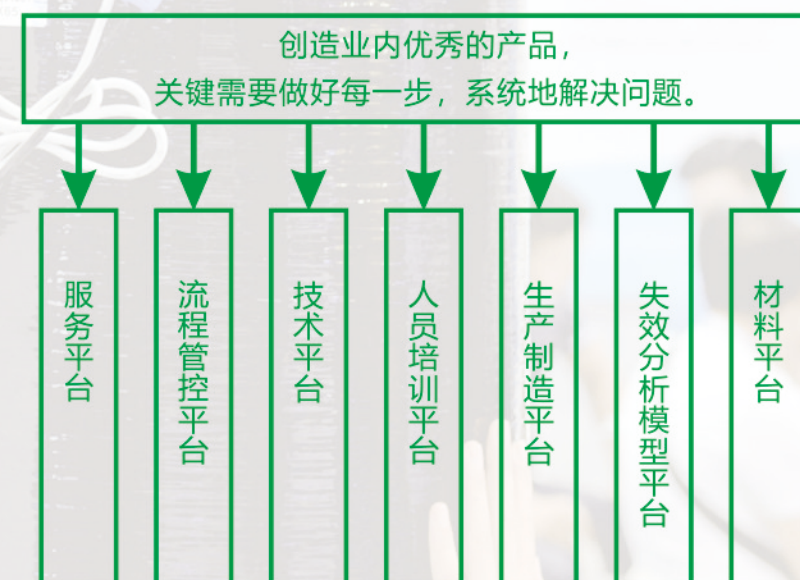


实用新型专利证书 (部分)

通禾质量保证体系架构



通禾可靠性保障系统架构



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版图请登录我司网站查询: www.china-tonhe.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

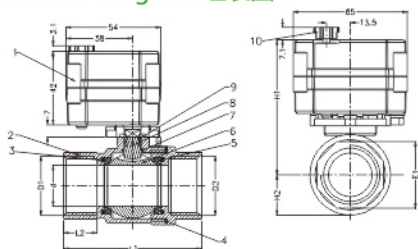


T20-B2-C

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(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	Brass
Actuator material 执行器材质	Engineering Plastics
Sealing material 密封材料	FKM&PTFE
Actuator rotation 执行器旋转角度	90°
Torque force 扭力	2 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	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		2
7	O-ring	FKM		2

DESCRIPTION	D1/D2	d	L1	L2	E1	H1	H2
T8(1/4")Electric valve	1/4"	8	49	12	20.5	68.5	12
T10(3/8")Electric valve	3/8"	10	49	12	20.5	68.5	12
T15(1/2")Electric valve	1/2"	15	56	13	25	71	16
T20(3/4")Electric valve	3/4"	20	66	15	31	74	19
T25(1")Electric valve	1"	24	71	15	38	76	22
T32(1 1/4")Electric valve	1 1/4"	25	79	20	46	78	25

A20-T Series 2 way Brass Electric Ball Valve(AC110-230V) A20-T系列两通黄铜电动球阀

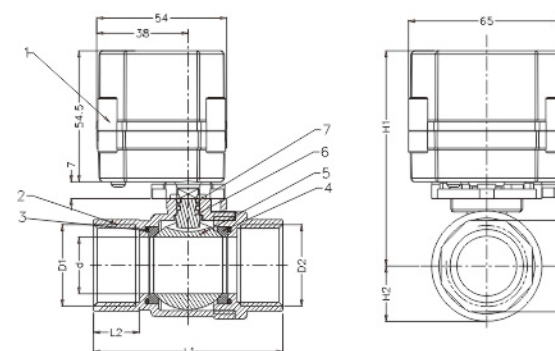
Technical Parameters 技术参数:

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	Engineering Plastics
Sealing material 密封材料	FKM & PTFE
Actuator rotation 执行器旋转角度	90°
Torque force 扭力	2 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
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	Stainless Steel	304	1
6	Stem	Brass		1
7	O-ring	FKM		2

DESCRIPTION	D1/D2	d	L1	L2	E1	H1	H2
T8(1/4")Electric valve	1/4"	8	49	12	20.5	80.5	12
T10(3/8")Electric valve	3/8"	10	49	12	20.5	80.5	12
T15(1/2")Electric valve	1/2"	15	56	13	25	84	16
T20(3/4")Electric valve	3/4"	20	66	15	31	87	19
T25(1")Electric valve	1"	24	71	15	38	89	22
T32(1 1/4")Electric valve	1 1/4"	25	79	20	46	91	25

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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

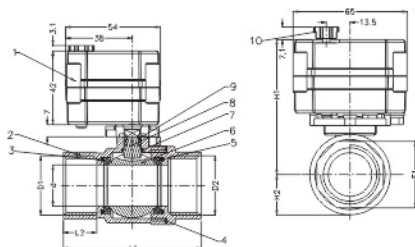


T25-S2-C

Technical Parameters技术参数:

Product 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
Actuator material 执行器材质	Engineering Plastics
Sealing material 密封材料	FKM & PTFE
Actuator rotation 执行器旋转角度	90°
Torque force 扭力	2 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		2
5	Ball	Stainless Steel	304	1
6	Stem	Stainless Steel	304	1
7	O-ring	FKM		2

DESCRIPTION	D1/D2	d	L1	L2	E1	H1	H2
T8(1/4")Electric valve	1/4"	10	51	12	21	70	14
T10(3/8")Electric valve	3/8"	10	51	12	21	70	14
T15(1/2")Electric valve	1/2"	15	63	14	25	70	17
T20(3/4")Electric valve	3/4"	20	72	17	31	74	20
T25(1")Electric valve	1"	25	81	18	38	82	24

A20-T Series 2 way SS304 Electric Ball Valve(AC110-230V) A20-T系列两通不锈钢电动球阀

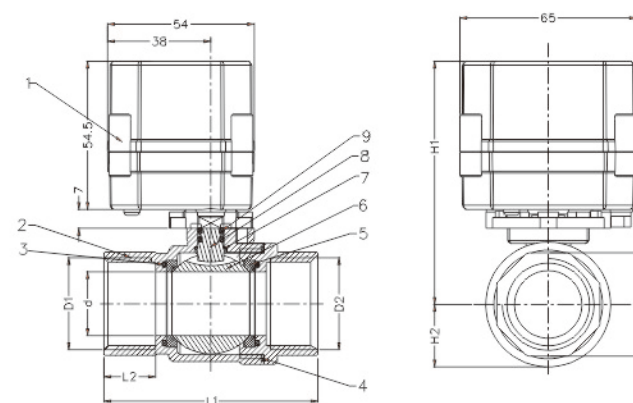
Technical Parameters技术参数:

Product size 口径	NPT/BSP 1/4" 3/8" 1/2" 3/4" 1" (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	Engineering Plastics
Sealing material 密封材料	FKM & PTFE
Actuator rotation 执行器旋转角度	90°
Torque force 扭力	2 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	No
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		2
5	Ball	Stainless Steel	304	1
6	Stem	Stainless Steel	304	1
7	O-ring	FKM		2

DESCRIPTION	D1/D2	d	L1	L2	E1	H1	H2
T8(1/4")Electric valve	1/4"	10	51	12	21	82	14
T10(3/8")Electric valve	3/8"	10	51	12	21	82	14
T15(1/2")Electric valve	1/2"	15	63	14	25	83	17
T20(3/4")Electric valve	3/4"	20	72	17	31	87	20
T25(1")Electric valve	1"	25	81	18	38	95	24

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A20-S Series 2 Way SS304 Timer Drain ValveA20-S系列两通不锈钢时间控制阀

Technical Parameters技术参数:

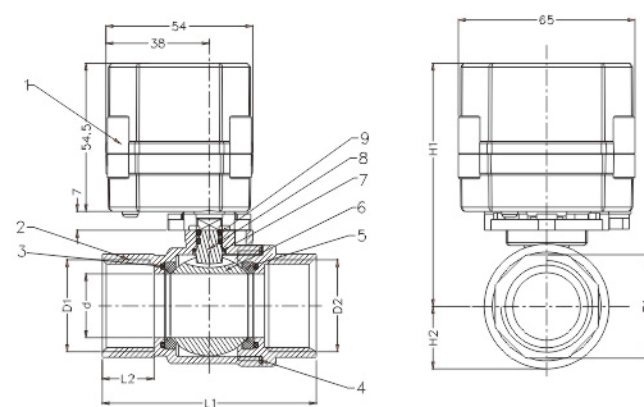
Product size 口径	NPT/BSP 1/4" 3/8" 1/2" 3/4" 1" (Optional)
Maximum working pressure 最大工作压力	1.0 MPa
Circulation medium 介质	Fluid, air
Valve open /closed time 开关时间	≤ 7S
Working voltage 工作电压	AC/DC9-24V AC/DC110-230V (Optional)
Keeping valve open time 阀开时间范围	00:00:00~99:59:59S
Keeping valve closed time 阀关时间范围	00:00:00~99:59:59S
Working current 工作电流	≤500mA
Stall current setting 堵转电流	0-599mA
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		2
5	Ball	Stainless Steel	304	1
6	Stem	Stainless Steel	304	1
7	O-ring	FKM		2

DESCRIPTION	D1/D2	d	L1	L2	E1	H1	H2
T8(1/4")Electric valve	1/4"	10	51	12	21	82	14
T10(3/8")Electric valve	3/8"	10	51	12	21	82	14
T15(1/2")Electric valve	1/2"	15	63	14	25	83	17
T20(3/4")Electric valve	3/4"	20	72	17	31	87	20
T25(1")Electric valve	1"	25	81	18	38	95	24

A20-T Series 3 Way Vertical Brass Electric ball valve A20-T系列立式三通黄铜电动球阀

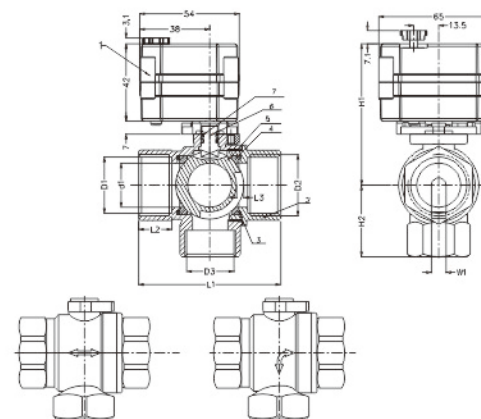
Technical Parameters技术参数:

Product size 口径	NPT/BSP 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 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	≤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	2N.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-B3-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	Stainless Steel	304	1
6	Stem	Brass		1
7	O-ring	FKM		2

DESCRIPTION	D1/D2	d1	W1	L1	L2	L3	H1	H2
T15(1/2")Electric valve	1/2"	12	7	58	10	3	70	27
T20(3/4")Electric valve	3/4"	15	7	66	16	3	71	31
T25(1")Electric valve	1"	24	8	73	16	4	77	40

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

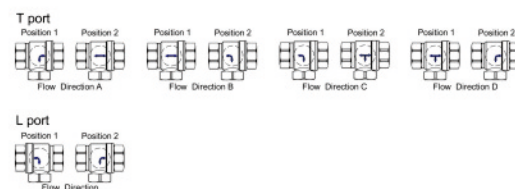
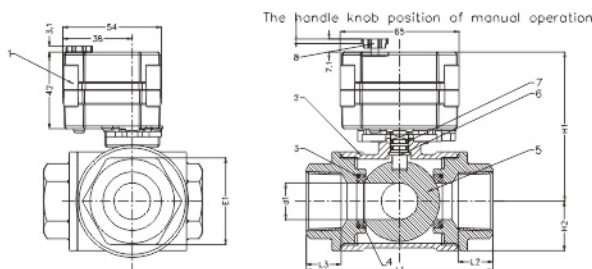
Technical Parameters 技术参数:

Product size 口径	NPT/BSP 1/4" 3/8" 1/2" 3/4" 1" (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	≤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	2N.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	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		2
4	Sealing	PTFE		2
5	Ball	Stainless Steel	304	1
6	Stem	Brass		1
7	O-ring	FKM		2

DESCRIPTION	D1/D2	d1	L1	L2/L3	E1	H1	H2
T8(1/4")Electric valve	1/4"	6	51	11	20.2	66	11
T10(3/8")Electric valve	3/8"	6	51	11	20.2	66	11
T15(1/2")Electric valve	1/2"	12	70	16	27	72	17
T20(3/4")Electric valve	3/4"	15	75	16	31	76.5	20.5
T25(1")Electric valve	1"	18	85	17	38	78	22.5

A20-M Series 2 Way SS304 Modulating Ball Valve A20-M系列两通不锈钢调节阀

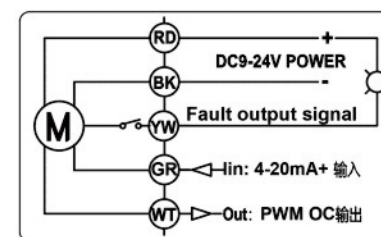
Technical Parameters 技术参数:

Product 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
control signal	4-20mA 0-5V 0-10V (Optional)
Wiring diagram 接线图	5 wire control with feedback signal
Working current 工作电流	≤500mA
Open/close time 开关时间	≤7S
Locked-rotor delay time 延长时间	2-4s
Position 位置	Any position (0~100% is ok)
Life time 工作寿命	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 密封材质	FKM & 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°C ~ 60°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

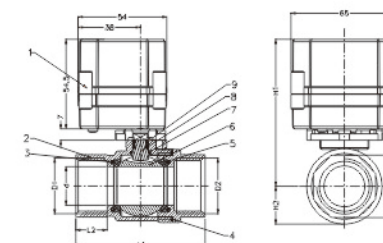
Wiring Diagram 接线图



1. RD connect DC9-24V positive
2. BK connect DC9 ~ 24V-/ 4-20mA-/0-5V-/0-10V-
3. GR connect position input /control current +/ control voltage+(4-20mA, 0-5V, 0-10V)
4. YW connect ERR output ,OC output
5. WT connect position feedback ,OC output PWM signal

1. RD 电源+, 接DC9~24V正极
2. BK 电源-/位置输入-, 接DC9~24V负极,4-20mA/0-5V/0-10V负极
3. GR 位置输入+, 控制电流/电压正极 (4-20mA/0-5V/0-10V)
4. YW 错误输出, OC输出
5. WT 位置反馈, OC输出PWM信号

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		2
5	Ball	Stainless Steel	304	1
6	Stem	Stainless Steel	304	1
7	O-ring	FKM		2

DESCRIPTION	D1/D2	d	L1	L2	E1	H1	H2
T8(1/4")Modulating valve	1/4"	10	51	12	21	82	14
T10(3/8")Modulating valve	3/8"	10	51	12	21	82	14
T15(1/2")Modulating valve	1/2"	15	63	14	25	70	17
T20(3/4")Modulating valve	3/4"	20	72	17	31	74	20
T25(1")Modulating valve	1"	25	81	18	38	82	24

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Water Leak Protection 防漏水控制器

Product Characteristic产品特点

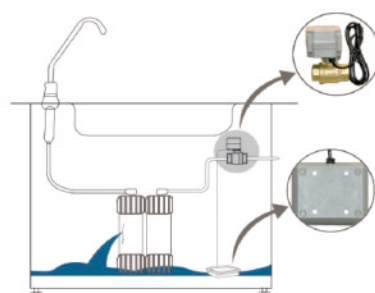


W15-B2-C

- 外形小巧美观 (87*71*29mm) , 便于安装。
Small and beautiful shape to install easily.
- 电线采用防水快速接头, 拆卸方便。
Using waterproof quick connection,disassemble easily.
- 铜制金属感应器灵敏度高, 快速检测漏水并及时关闭阀门。
Brass sensors with high sensitivity,rapid detection and closed valves in time.
- 感应控制器全密封、防潮设计, 提高了产品使用寿命。
Fully sealed and moisture-proof design,improve the product's life.
- 控制器面板配有指示图标和手动按键, 便于识别及操作 (手动按键: 电源键, 开阀键, 关阀键)。
Control panel is easy to operate with indicator icon and manual button.
- 全金属齿轮结构设计, 提升了电动球阀的质量。
Metal gears improve the quality of motorized valves.
- *电池供电, 电量不足自动报警。
Battery supply,auto alarm when power is lower.

Product Parameter产品参数

阀体口径: 1/4" - 1"
Valve Size: 1/4" - 1"
阀体材质: 黄铜、铜镀镍、不锈钢
Valve Material: Brass,Nickel Plated Brass,SS304
工作电压: 3VDC(2节AA, 5号电池)
Working Voltage: 3VDC(2AA 5# Battery)
开关时间: 7S
Open/Closed Time: 7S
承受压力: 1.0Mpa
Maximum Working Pressure: 1.0Mpa



A100 Series 2 Way PVC Electric Ball Valve A100系列两通PVC电动球阀

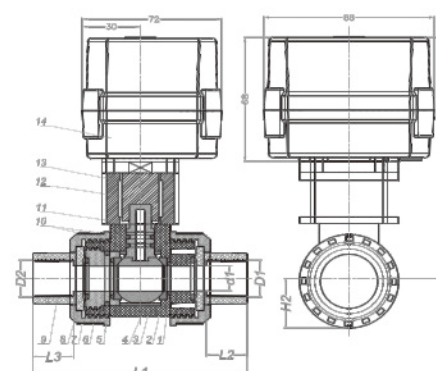
Technical Parameters技术参数:

Product size 口径	NPT/BSP 1/2" 3/4" 1" 1 1/4" 1 1/2" 2" (Optional)
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 AC/DC9-24V AC/DC110-230V(Optional)
Wiring diagram 接线图	Cr201 CR202 CR303 CR305 CR306 CR401 CR501 CR502 CR703 CR704 CR705 CR706(Optional)
Working current 工作电流	≤1A
Open/close time 开关时间	≤15S
Life time 工作寿命	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 密封材质	EPDM & PTFE
Actuator rotation 执行器旋转角度	90°
Torque force 扭力	10N.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	No
Open/close indicator 开关指示	Yes
Protection class 保护等级	IP67



T40-P2-C

Assemble Diagram 组装图



Components 组成

No.	Name	Material	specification	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	Stainless steel		1
13	Holder	Stainless steel		1
14	Acatuator	PPO		1

DESCRIPTION	D1/D2	d1	L1	L2/L3	H1	H2	D1/D2			
T15(1/2")Electric valve	1/2"	15	104.8	22.3	130	27.5	21.54	20.30	22.4	22.40
T20(3/4")Electric valve	3/4"	20	113	25.5	134.5	32	26.87	25.30	26.45	26.40
T25(1")Electric valve	1"	25	127	28.6	146.3	37.5	33.65	32.30	32.55	34.50
T32(1 1/4")Electric valve	1 1/4"	32	142	32	156.8	42.75	42.42	40.30	38.60	42.50
T40(1 1/2")Electric valve	1 1/2"	40	157	35	163.6	50	48.56	50.30	48.70	48.60
T50(2")Electric valve	2"	50	174	36	185	59	60.63	63.30	60.80	60.60
							ANSI	DIN	JIS	CNS

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A100-T Series 2 Way SS304 Electric Ball Valve

A100-T 系列两通不锈钢电动球阀

Technical Parameters技术参数:

Product size 口径	NPT/BSP 1 1/4" 1 1/2" 2" (Optional)
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 AC/DC9-24V AC/DC110-230V((Optional)
Wiring diagram 接线图	CR201 CR202 CR303 CR401 CR501 CR502 CR703 CR704 CR705 CR706 (Optional)
Working current 工作电流	≤1A
Open/close time 开关时间	≤15S
Life time 工作寿命	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 密封材质	FKM & PTFE
Actuator rotation 执行器旋转角度	90°
Torque force 扭力	10N.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	No
Open/close indicator 开关指示	Yes
Protection class 保护等级	IP67



T32-S2-C

A100-T Series Electric 3 Way Electric SS304 Ball Valve

A100-T 系列三通不锈钢电动球阀

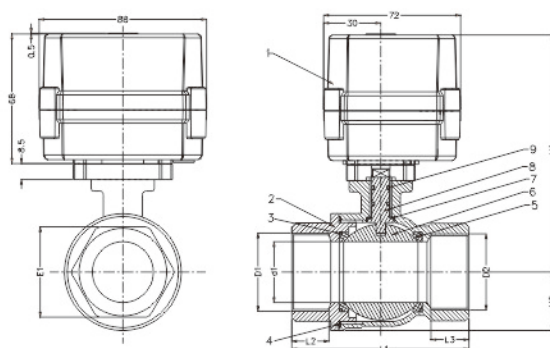
Technical Parameters技术参数:

Product 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	DC12V DC24V AC/DC9-24V AC/DC110-230V((Optional)
Wiring diagram 接线图	CR201 CR202 CR303 CR401 CR501 CR502 CR703 CR704 CR705 CR706 (Optional)
Working current 工作电流	≤1A
Open/close time 开关时间	≤15S
Life time 工作寿命	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 密封材质	FKM & PTFE
Actuator rotation 执行器旋转角度	90°
Torque force 扭力	10N.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	No
Indicator 指示	Yes
Protection class 保护等级	IP67



T25-S3-C

Assemble Diagram 组装图

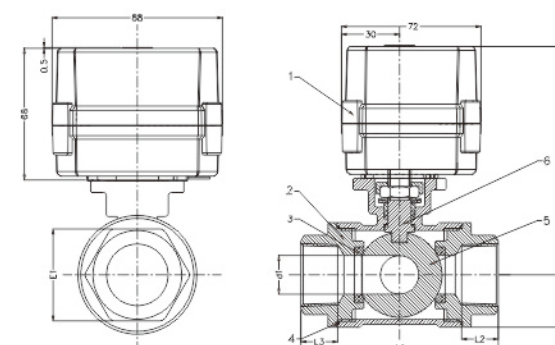


Components 组成

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

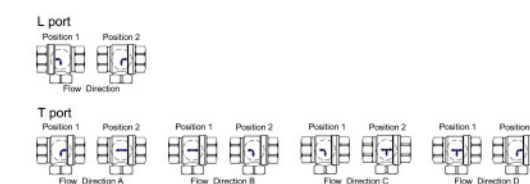
DESCRIPTION	D1/D2	d1	L1	L2/L3	E1	H1	H2
T32(1 1/4")Electric valve	1 1/4"	32	102	23	47	122	31
T40(1 1/2")Electric valve	1 1/2"	38	115	25	52	130	36
T50(2")Electric valve	2"	50	130	25	66	138	45

Assemble Diagram 组装图



Components 组成

No.	Name	Material	specification	Quantity
1	Actuator	PPO		1
2	Body & Cover	stainless steel		1
3	Sealing	PTFE		1
4	Sealing	PTFE		2
5	Ball	stainless steel	304	1
6	Stem	stainless steel	304	1



DESCRIPTION	D1/D2	d1	L1	L2/L3	E1	H1	H2
T15(1/2")Electric valve	1/2"	12	68	15	24.5	104	18
T20(3/4")Electric valve	3/4"	15	75	16	31	107	20
T25(1")Electric valve	1"	18	85	17	38.5	114.5	23.5

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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:

Product 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	Male square or Female octagonal
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	≤1A
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	Engineering Plastics PPO
Sealing material 密封材料	FKM & PTFE
Actuator rotation 执行器旋转角度	360°
Torque force 扭力	15 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 operation 手动操作	Yes
Open/close indicator 开关指示	Yes
Protection class 防护等级	IP67



T50-S2-B

A150-T Series 3 Way SS304 Electric Ball Valve

A150-T系列三通不锈钢电动球阀

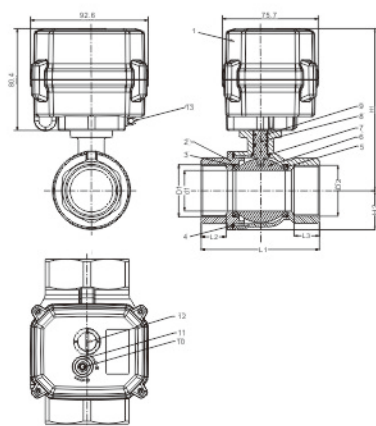
Technical Parameters技术参数:

Product 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	Male square or Female octagonal
Maximum working pressure 最大工作压力	1.5MPa
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	≤1A
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	Engineering Plastics PPO
Sealing material 密封材料	PTFE
Actuator rotation 执行器旋转角度	360°
Torque force 扭力	15 N.m
Cable Length 线长	0.5m, 1.5m (Optional)
Environment temperature 环境温度	-15°C ~ 60°C
Liquid temperature 液体温度	2°C ~ 90°C
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

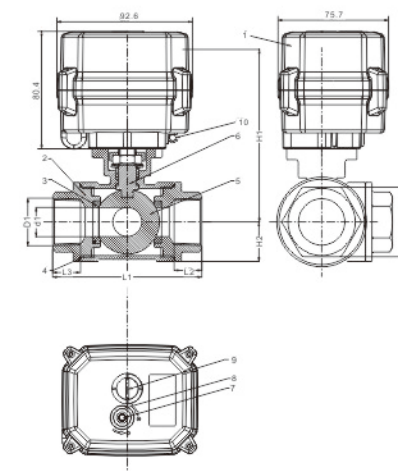


Components 组成

No.	Name	Material	Specification	Quantity
1	Actuator	PPO		1
2	Body & Cover	Stainless Steel	304	1
3	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	L1	L2/L3	E1	H1	H2
T32 Electric valve	1 1/4"	32±1	102±1	23±1	47	122	31
T40 Electric valve	1 1/2"	38±1	115±1	25±1	52	130	36
T50 Electric valve	2"	49±1	130±1	25±1	66	141.4	44.5

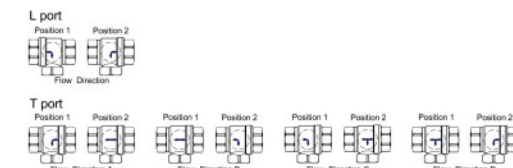
Assemble Diagram 组装图



DESCRIPTION	D1/D2	d1	L1	L2/L3	E1	H1	H2
T15 Electric valve	1/2"	12	68	14	24.5	117	18
T20 Electric valve	3/4"	15	75	15	31	120	20
T25 Electric valve	1"	18	85	15	38.5	127	23.5

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	Manual Shaft	Stainless Steel	304	1
8	Oil-seal	NBR		1
9	Indicator	PC		1
10	Hexagon Wrench	Stainless Steel	304	1



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:

Product 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	Male square or Female octagonal
Maximum working pressure 最大工作压力	1.5MPa
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	≤1A
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	Engineering Plastics PPO
Sealing material 密封材料	FKM & PTFE
Actuator rotation 执行器旋转角度	360°
Torque force 扭力	15 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 operation 手动操作	Yes
Open/close indicator 开关指示	Yes
Protection class 防护等级	IP67



T25-S2-B

A150-T Series 2 Way PVC Electric Ball Valve

A150-T系列两通PVC电动球阀

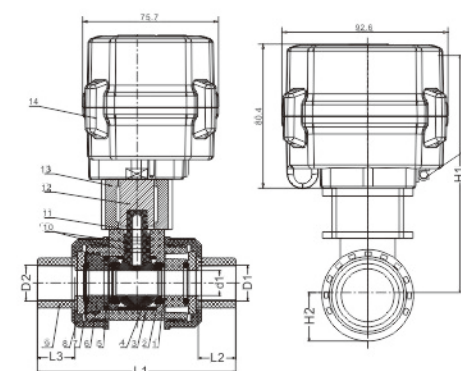
Technical Parameters技术参数:

Product size 口径	NPT/BSP/ Inserting 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	Male square or Female octagonal
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	≤1A
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	PVC
Actuator material 执行器材质	Engineering Plastics PPO
Sealing material 密封材料	EPDM & PTFE
Actuator rotation 执行器旋转角度	360°
Torque force 扭力	15 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 ~ 55°C
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

Assemble Diagram 组装图



Components 组成

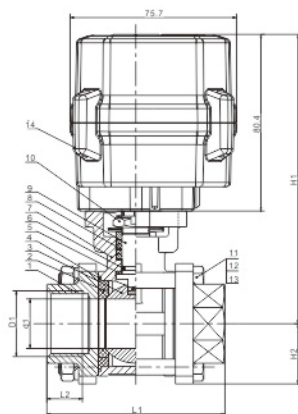
No.	Name	Material	Specification	Quantity
1	O-ring	EPDM/VITON		2
2	Sealing	PTFE		2
3	Valve Body	UPVC		1
4	Ball	UPVC		1
5	O-ring	EPDM/VITON		2
6	Bonnet	UPVC		2
7	O-ring	EPDM/VITON		2
8	Gland	UPVC		2
9	Socket	UPVC		2
10	O-ring	EPDM/VITON		2
11	Stem	UPVC		1
12	Coupling	Stainless Steel	304	1
13	Holder	Stainless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

DESCRIPTION	D1/D2	d1	L1	L2/L3	H1	H2	D1/D2		
T15 Electric valve	1/2"	15	104.8	22.3	136.7	27.5	21.54	20.30	22.4
T20 Electric valve	3/4"	20	113	25.5	141.2	32	26.87	25.30	26.45
T25 Electric valve	1"	25	127.2	28.6	156.25	37.25	33.65	32.30	32.55
T32 Electric valve	1 1/4"	32	142	32	162.4	42.75	42.42	40.30	38.60
T40 Electric valve	1 1/2"	40	157	35	174	50	48.56	50.30	48.70
T50 Electric valve	2"	50	171	38	194.4	60	60.63	63.30	60.80

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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.china-tonhe.com

Assemble Diagram 组装图



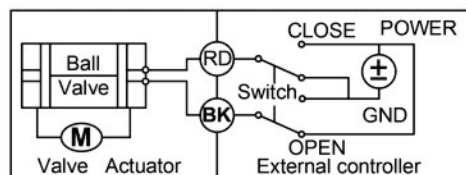
Components 组成

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		2
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	d1	L1	L2	H1	H2
T15 Electric valve	1/2"	15	70	14	123.4	24
T20 Electric valve	3/4"	20	80	16	127.4	28
T25 Electric valve	1"	25	87	17	139.4	30

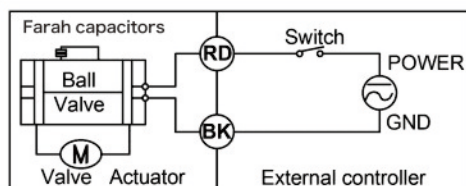
Wiring Diagram

CR201 Wiring Diagram (2 wires control)



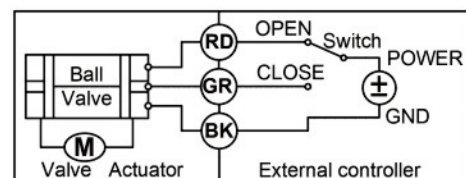
- RD connect with positive, the BK connect with negative, the valve closed, the actuator automatically power off after in place , the valve remains fully closed position
- BK connect with positive, the RD connect with negative, the valve open, the actuator automatically power off after in place, the 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)



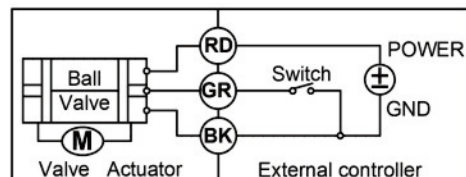
- When SW is closed , the valve OPEN. the actuator automatically power off after in place
- When SW is open, the valve CLOSED, the actuator automatically power off after in place
- Suitable Working Voltage: AC/DC9-24V AC110-230V
- Exceeding the working voltage is forbidden

CR301 Wiring Diagram (3 wires control)



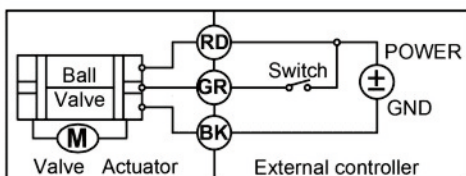
- RD & GR connect with positive, BK connect with negative
- When OPEN(RD) & SW connected , the valve OPEN, the actuator automatically power off after in place , valve remains fully open position
- When CLOSE(GR) & SW connected, the valve CLOSED, the actuator automatically power off after in place, valve remains fully closed position
- Suitable Working Voltage: DC5V,DC12V,DC24V,AC/DC9-24V
- Exceeding the working voltage is forbidden

CR302 Wiring Diagram (3 wires control)



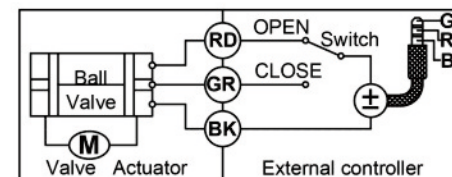
- RD connect with positive, the BK & GR connect with negative
- SW CLOSED, the valve OPEN, the actuator automatically power off after in place
- SW OPEN, the valve CLOSED, the actuator automatically power off after in place
- Suitable Working Voltage: DC9-24V
- Exceeding the working voltage is forbidden

CR303 Wiring Diagram (3 wires control)



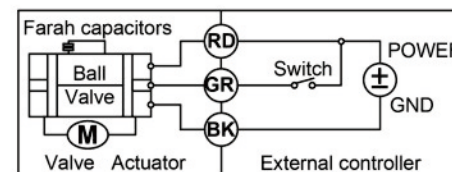
- RD& GR connect with positive, the BK connect with negative
- SW CLOSED, the valve OPEN, the actuator automatically power off after in place
- SW OPEN, the valve CLOSED, the actuator automatically power off after in place
- Suitable Working Voltage: AC/DC9-24V,AC110-230V
- Exceeding the working voltage is forbidden

CR304 Wiring Diagram (3 wires control)



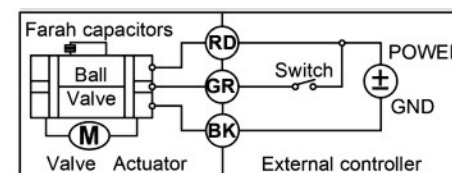
- RD & GR connected with positive, and the BK connected with negative
- When RD & SW connected, the valve closed, the actuator automatically power off after in place , remains fully closed position
- When GR & SW connected, the valve open, the actuator automatically power off after in place , remains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

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



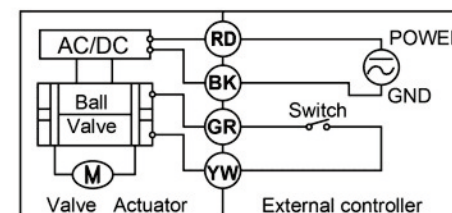
- RD& GR connect with positive, the BK connect with negative
- SW CLOSED, the valve OPEN, the actuator automatically power off after in place
- SW OPEN, the valve CLOSED, the actuator automatically power off after in place
- When external power off, the valve CLOSED, the actuator automatically power off after in place
- Suitable Working Voltage: AC/DC9-24V,AC110-230V
- Exceeding the working voltage is forbidden

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



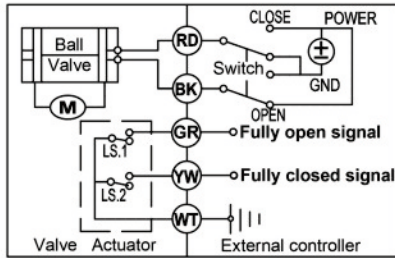
- RD& GR connect with positive, the BK connect with negative
- SW CLOSED, the valve OPEN, the actuator automatically power off after in place
- SW OPEN, the valve CLOSED, the actuator automatically power off after in place
- When external power off, the valve OPEN, the actuator automatically power off after in place
- Suitable Working Voltage: AC/DC9-24V,AC110-230V
- Exceeding the working voltage is forbidden

CR401 Wiring Diagram (4 wires control)



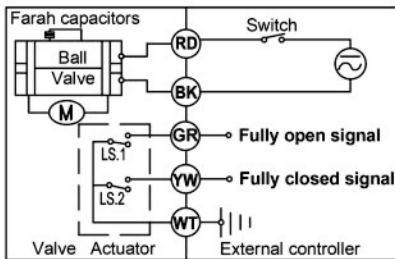
- RD & BK are connected to the power, GR & YW are connected to the controlled wiring
- When the SW is closed , the valve open
- When the SW is OPEN , the valve CLOSED
- Suitable Working Voltage:AC/DC110V-230V
- Exceeding the working voltage is forbidden
- The control wiring with power DC5V , when multiple motorized valves are working in parallel , must put the same color control wiring together, otherwise the valve could working normally

CR501 Wiring Diagram (5 wires control with feedback signal)



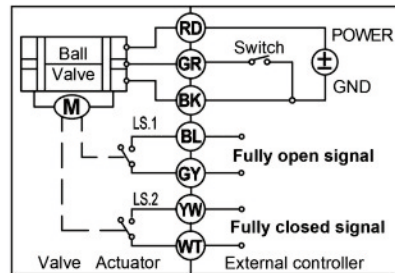
.RD connect with positive, the BK connect with negative, the valve closed, the actuator automatically power off after in place
 .BK connect with positive, the RD connect with negative, the valve open, the actuator automatically power off after in place
 .GR & WT connect with the valve's fully open signal wiring
 .YW & WT connect with the valve's fully closed signal wiring
 Suitable Working Voltage:DC5V,DC12V,DC24V
 Exceeding the working voltage is forbidden

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



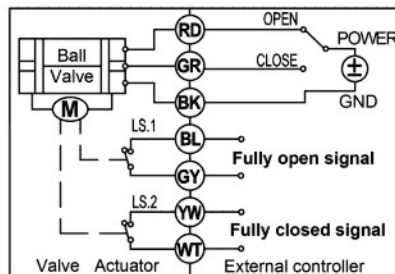
·When SW is closed , the valve OPEN. the actuator automatically power off after in place
 ·When SW is open, the valve CLOSED, the actuator automatically power off after in place
 .GR & WT connect with the valve's fully open signal wiring
 .YW & WT connect with the valve's fully closed signal wiring
 • Suitable Working Voltage: AC/DC9-24V, AC/DC110V-230V
 • Exceeding the working voltage is forbidden

CR701 Wiring Diagram (7 wires control with feedback signal)



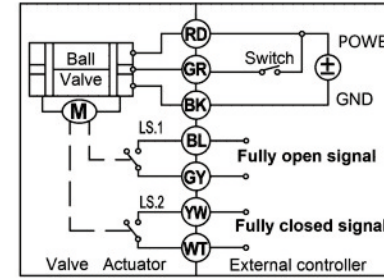
.RD connect with positive
 .GR connect with SW and negative wiring
 .BK connect with negative wiring
 .When SW close. the valve OPEN, and keeping fully open
 .When SW open. the valve CLOSED, and keeping fully closed
 .BL & GY connect with the valve's fully open signal wiring
 .YW & WT connect with the valve's fully closed signal wiring
 • Suitable Working Voltage: DC9-24V
 • Exceeding the working voltage is forbidden
 • Feedback with load ability:
 ① The Max. off voltage: DC36V AC220V
 ② The Max. off current: ≤0.4A

CR702 Wiring Diagram (7 wires control with feedback signal)



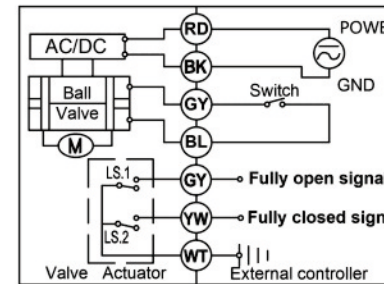
.RD & GR connect with positive, the BK connect with negative
 .When RD & SW connected, the valve OPEN, the actuator automatically power off after the valve fully open
 .When GR & SW connected, the valve CLOSED, the actuator automatically power off after the valve fully closed
 .BL & GY connect with the valve's fully open signal wiring
 .YW & WT connect with the valve's fully closed signal wiring
 • Suitable Working Voltage: DC5V,DC12V,DC24V
 • Exceeding the working voltage is forbidden
 • Feedback with load ability:
 ① The Max. off voltage: DC36V AC220V
 ② The Max. off current: ≤0.4A

CR703 Wiring Diagram (7 wires control with feedback signal)



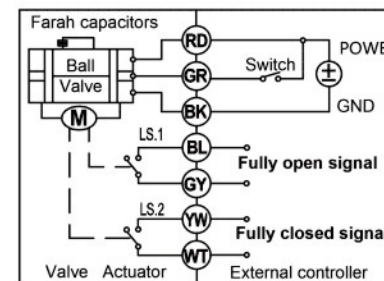
·RD & GR connect with positive, the BK connect with negative
 ·SW CLOSED, the valve OPEN, the actuator automatically power off after in place
 ·SW OPEN, the valve CLOSED, the actuator automatically power off after in place
 ·BL & GY connect with the valve's fully open signal wiring
 ·YW & WT connect with the valve's fully closed signal wiring
 • Suitable Working Voltage: AC/DC9-24V,AC110-230V
 • Exceeding the working voltage is forbidden

CR704 Wiring Diagram (7 wires control with feedback signal)



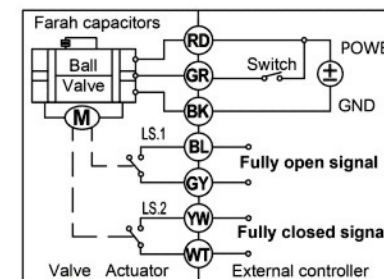
·RD & BK are connected to the power, BL & GY are connected to the controlled wiring
 ·When the SW is closed , the valve open
 ·When the SW is open , the valve closed
 ·GR & WT connect with the valve's fully OPEN signal wiring
 ·YW & WT connect with the valve's fully CLOSED signal wiring
 Suitable Working Voltage: AC/DC110V-230V
 Exceeding the working voltage is forbidden

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



·RD & GR connect with positive, the BK 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
 ·BL & GY connect with the valve's fully open signal wiring
 ·YW & WT connect with the valve's fully closed signal wiring
 • Suitable Working Voltage: AC/DC9-24V,AC110-230V
 • Exceeding the working voltage is forbidden

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



·RD & GR connect with positive, the BK 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
 ·BL & GY connect with the valve's fully open signal wiring
 ·YW & WT connect with the valve's fully closed signal wiring
 • Suitable Working Voltage: AC/DC9-24V,AC110-230V
 • Exceeding the working voltage is forbidden