

catalog 2016

motorized valves

supplier 1001

Model: VCMRxxx-115

				TE	CHNIC	CAL P	ARAME	TERS								
Series	Max torque	Opera time	- 1	Working voltage	Ma		Enclos	sure	Ma pres			edium eratur	e		bient erature	
VCM-115	2N.m	3Se	-	DC5V C/DC9-24V .C85-265V	<21	w	IP6	5	1.61	/Іра	<b>0-</b> 1	100℃		-20℃	<t<45℃< td=""></t<45℃<>	
						FE	ATURE	S					APPLI	CATIO	V	
	E			Mini	dimens	sion s	uit for s	sma <b>ll</b> e	quipm	ent		HVAC				
	1			Patent	ed tech	nnolog	gy-float	ing se	al stru	cture		٧	/ater t	reatme	nt	
1				Lon	g servi	ice life	:80000	-10000	00 circ	es		Cł	nemica	l proce	ess	
				Low work	ing cu	ırrent,	suitab	le for I	oattery	driving	Sr	nall eq	•	nt for a	automatic	
			<i>y</i>	Qu	Quickly open and position indicator							Repla	cing s	olenoid	l valve,	
colours ma	av varv	( € 66	9 (A)	Metal gearbox and POM gear						ра				noid can't		
polodis ili	ay vary			High flow capability								work	reliably	'		
E	b		+	d							PARTS	3	MA	TERIAL		
			<b>=</b>	H				$\blacksquare$		완		Actuator housing			ABS	
닏	TP	L							Va	Valve body			Brass			
1 +				<u> </u>	//					F2	V	/alve ba	all	i	3rass	
									Stem		E	3rass				
	.1	L3	L2			/	F	1		-+	ı	Ball sea	at		PTFE	
			'									Seal		E	EPDM	
Valve body	Dimensio	on(mm)	Size	D1/D2	Φd	L1	L2	L3	F	H1	H2	Н3	b	d	W(kg)	
		1	DN8	G1/4"	8	11	11	41	21	12	18	50	52	62	0.258	
Both fe	emale scre	ew -	DN15	G1/2"	15	11	11	54	27	16	22	50	52	62	0.342	
			DN20 DN25	G3/4" G1"	15 20	10 16	10	61 73	30	22 26	22	50 50	52 52	62 62	0.330	
			DN25	G1"	20	14	15	91	38	20	24	50	52	62	0.502	
Female and male screw  DN32				G5/4"	20	16	16	79	46	25	25	50	52	62	0.502	
F	Full port				20	15	15	70	30	20	25	50	52	62	0.446	
F	ин рогт		DN25	G1"	25	20	20	82	38	23	28	50	52	62	0.627	
						WIRI	NG									
R201 R302				R301/R303 R202						R50	5		R506			
Standard control Two point control				One poi	nt cont	trol	Au	to-retu	ırn	Sig	ınal fee	edback	Т	wo poi	nt control	
2 wires	;	vires	3 wires 2 wires 5 wii						rires	es 5 wires						

# Model: VCSRxxx-115

				TE	ECHNI	CAL PA	RAME	TERS								
Carias	Max	Opera	ting	Working	N	Лах	Encl	osur	Ma	ах	Me	edium		An	bient	
Series	torque	tim	e	voltage	po	ower	•	è	pres	sure	temp	eratur	е	temp	erature	
VCS-115	2N.m	3-5	-	DC5V \C/DC9-24V AC85-265V	<	2W	ΙP	65	1.61	Ира	0-1	100℃		<b>-20</b> ℃	<t<45℃< td=""></t<45℃<>	
						FEA	ATURE	S				APPLICATION				
			_	Mini	dimen	sion su	uit for s	sma <b>ll</b> e	quipm	ent		HVAC				
	-19		1	Patent	ed tec	hnolog	y-f <b>l</b> oat	ing se	al stru	cture		٧	/ater t	treatme	ent	
٦				Lon	g serv	ice life	:80000	-10000	0 circ	es		Cl	nemic	al proc	ess	
	A STATE OF THE STA			Low worl	king cı	urrent,	suitab	le for l	oattery	drivin	g Sı	Small equipment for automatic				
				Qu	Quickly open and position indicator							Repla	cing s	olenoi	d valve,	
		(€ 6€	- (AF)	Metal gearbox and POM gear							ра	rticula	ly wh	en sole	enoid can't	
colours ma	ay vary				High flow capability								work	k reliably		
t	ь		1,	+		d			8			PARTS	6	MATERIAL		
			1 _							웊		Actuato housin			ABS	
	TP			Ų		П	ac I	IJ		_	V:	alve bo	dy	ss	304,316	
				<u> </u>						F	\	/alve b	all	ss	304,316	
5 5				_8	-					Ŧ		Stem		ss	304,316	
- 1	1	L3	L2	-			F			_	,	Ball seat			PTFE	
1				†		1		*				Seal			EPDM	
Valve body	Dimensio	on(mm)	Size	D1/D2	Φd	L1	L2	L3	F	Н1	H2	НЗ	b	d	W(kg)	
			DN15	G1/2"	15	11	11	54	27	16	22	50	52	62	0.34	
Both fe	emale scre	ew	DN20	G3/4"	15	10	10	61	30	22	22	50	52	62	0.33	
			DN25	G1"	20	16	18	73	38	26	26	50	52	62	0.50	
						WIRI	VG									
R201		R3	302	R301/R303 R202				R505 R506			506					
Standard control Two point control				rol One point control			Au	to-retu	ırn	Sig	gnal fe	edback	k Two point control			
2 wires 3 wires				3 wi	3 wires 2 wires					5 w	5 wires 5 wires					

# Model: VDVxMRxxx-115

				TEC	HNICAL	PARAMETERS	:						
	Max	Operating	Worki		Max			ах	Mediu	um	Am	ıbient	
Series	torque	time	volta	-	power	Enclosure	pres	sure	tempera	ature	temp	erature	
VDVLM-115 VDVTM-115	2N.m	3Sec	DC5 AC/DC9 AC85-2	-24V	<2W	IP65	1.61	<b>Ира</b>	0-100	)°C	<b>-20</b> ℃	<t<45℃< th=""></t<45℃<>	
					F	EATURES		· ·		APP	LICATIO	N	
				Mini di	mension	suit for sma <b>ll</b>	equipm	ent		HVAC a	nd fire w	orks	
4.	12		P	atented	l technolo	ogy-floating s	eal stru	cture	IC	C Card w	vater trea	ıtment	
4				Long	service li	fe:80000-1000	00 circl	les		Chemi	ical proce	ess	
<u> </u>	W		Low	/ workir	ng curren	t, suitab <b>l</b> e for	battery	driving	Smal		nent for a	automatic	
				Quic	k <b>i</b> y open	and position i	indicato	or	Irriga	tion equ	ipment,s	olar water	
	30		_	N	letal gear	box and POM	gear		1	-	rs, washi		
colours m	ay vary	( € (exts)	(AF)		High f	low capability	,		mach	nines,ind	dustria <b>l</b> h	umidifier.	
			'						PA	RTS	MATERIAL		
	a									Actuator housing		ABS	
				#		뙤			Valv	e body	E	3rass	
						2 <i>(</i>		À	Valv	Valve ball		3rass	
5		D2 d4			23	₹ 1	¥		s	tem	E	Brass	
<u> </u>	1	L2		D3	8//4				Bal	I seat		PTFE	
									S	Seal	E	PDM	
			CC	ONNEC.	TION SIZE	Ē						Unite(mm)	
Size	D1/D2/D	3 d1	L1/L2/L3	L	H1	H2	НЗ	b	d	а	F	W(kg)	
DN15	G1/2"	15	11	55	26	22	50	61.5	52	16	27	0.342	
DN20	G3/4"	15	10	66	31.5	22.5	33	58	54.5	20	30	0.330	
WATER WATER	uator  ATER  TITION 1	Actuat	WATER INLET		WATER INLET	Actuator  POSITION 1	FIO	Act	WATER DUTLET	FL	OW DIR	ECTION	
						RING							
R201		R302	R	301/R	303	R202			R505	R506		506	
Standard co		Γwo point co		ol One point control Auto-return Sign					nal feedb			int control	
2 wires 3 wires 2 wires						5 wires 5 wires							

# Model: VDHxMRxxx-115

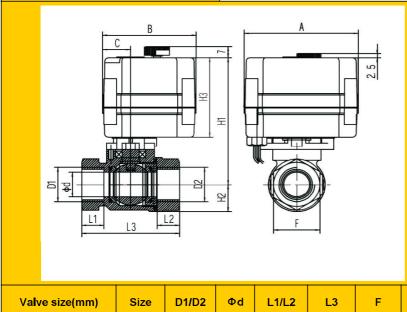
			TEC	HNICAL	PARAMETERS	;				
	Max	Operating	Working	Max		Max	Me	dium		Ambient
Series	torque	time	voltage	power	Enclosure	pressure	temp	erature	te	mperature
VDHLM-115 VDHTM-115		58	DC5V AC/DC9-24V AC85-265V	<2W	IP65	1.6Mpa	0-1	00℃	-20	)℃ <t<45℃< td=""></t<45℃<>
			7	F	EATURES			APF	PLICAT	ION
	10. m		Mini di	mension	suit for sma <b>ll</b>	equipment		HVAC a	and fire	e works
			Patented	d technolo	ogy-floating se	eal structure	,	IC Card	water t	reatment
			Long	service li	fe:80000 <b>-</b> 1000	00 circles		Chem	ica <b>l</b> pr	ocess
			Low workii	ng curren	t, suitab <b>l</b> e for	battery driv	ing Sr		ment f	or automatic
			Quic	kly open	and position i	ndicator	Irri	gation equ	uipmer	nt,solar water
		( E 6559 (AF	N	/letal gear	box and POM	gear		heate	ers, wa	shing
colours m	ay vary			High f	low capability	m	achines,in	dustri	al humidifier.	
	16. 32	54. 5	-	66. 5	30.73			PARTS		MATERIAL
								Actuator housing	ABS	
			88			55.75	Va	alve body		Brass
<b>⊟</b> ∏										Brass
			-			五		Stem		Brass
	D	L1			E L2		I	Ball seat		PTFE
								Seal		EPDM
			CONNEC	TION SIZE	<b>=</b>					Unite(mm)
Size	D	H1	H2			L1	L2	F		W(kg)
DN8	6	11	18,25			25	25	17		0.190
DN15 DN20	15 15		23.25	_		39 15.5	47 52.5	37		0.342
DIVZU		Flow	23.25	9,	"T"		32,3	30	,	0,330
WATER NLET	ATER UTILET	Actuator  WATER OUTLITE  POSITION 2	WATER	WATER	Actuator	NATER WATER UTLET INLET	Actuator  WATER OUTLET  POSITION 2	] FL	.ow I	DIRECTION
				WIF	RING					
R201		R302	R301/R	303	R202		R50	5		R506
Standard co		Two point cont						gnal feedback Two point contro		
2 wires 3 wires 2 wires 5 wires							5 wires			

#### Model: VCMRxxx-125

	TECHNICAL PARAMETERS												
Series	Max	Operating	Working	Max	Enclosure	Max	Medium	Ambient					
Series	torque	time	voltage	power	Effclosure	pressure	temperature	temperature					
			DC5V										
VCM-125	2N.m	7Sec	AC/DC9-24V	<2W	IP65	1.6Mpa	0-100℃	-20℃ <t<45℃< td=""></t<45℃<>					
	AC85-265V												
No.	1												



FEATURES	APPLICATION
Mini dimension suit for small equipment	HVAC
Patented technology-floating seal structure	Water treatment
Long service life:80000-100000 circles	Chemical process
Low working current, suitable for battery	Small equipment for automatic
driving	Control
Manual override and position indicator	Replacing solenoid valve,
Metal gearbox and POM gear	particularly when solenoid can't
High flow capability	work reliably



	v	VOIK I	ei	labiy				
F	PARTS			МАТ	ER <b>I</b> AL			
	ctuator ousing			Δ	ABS			
Val	lve bod	ly	Brass					
Va	lve bal	I	Brass					
	Stem		Brass					
В	all seat	!		Р	TFE			
	Seal			El	PDM			
С	НЗ	H2	2 H1 W(kg)					

# available in DN8,DN10,DN15,DN20,DN25 and DN32

		WIRING			
	R201 Standard control feedback	R302 Two point control	R301/R303 One point control	R202 Auto-return	R505 Signal
		NDUSTR <b>I</b> CT	ION FOR MANUAL OV	ERRIDE	
Hand wheel		It is only per	mitted to use when po	wer- off.	

Hand wheel's Land Indicating Window

Lift the hand-wheel, and turn it left or right until the valve is in place.

When the black line on the indicator is horizontal, the valve is on; when vertical, the valve is off.

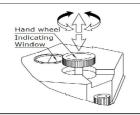
Press down hand-wheel after using manual override in order to work properly when power-on

FEATURES  Mini dimension suit for small equipment Patented technology-floating seal structure Long service life:80000-100000 circles Chemical process Low working current, suitable for battery driving  Manual override and position indicator Metal gearbox and POM gear High flow capability  PARTS  MATERIAL  Actuator housing  PARTS  MATERIAL  Actuator housing  Brass (ROHS PASS (ROHS PASS (SS304))  Stem  Brass											
Series torque time voltage power Enclosure pressure temperature temperature    DC5V					TECHNICAL	PARAMETERS					
CM-125fp   2N.m   7Sec   AC/DC9-24V   C2W   IP65   1.6Mpa   0-100°C   -20°C <t<45°c th=""  =""  <=""><th>Series</th><th>Max</th><th>Operating</th><th>Workii</th><th>ng Max</th><th>Enclosure</th><th>Max</th><th>Medium</th><th>Ambient</th></t<45°c>	Series	Max	Operating	Workii	ng Max	Enclosure	Max	Medium	Ambient		
CM-125fp 2N.m 7Sec AC/DC9-24V <2W IP65 1.6Mpa 0-100°C -20°C <t 45°c="" <="" ac85-265v="" features<="" td=""><td>301103</td><td>torque</td><td>time</td><td>voltag</td><td>e power</td><td>Liididduid</td><td>pressure</td><td>temperature</td><td>temperature</td></t>	301103	torque	time	voltag	e power	Liididduid	pressure	temperature	temperature		
FEATURES  Mini dimension suit for small equipment Patented technology-floating seal structure Long service life:80000-100000 circles Chemical process Low working current, suitable for battery driving  Manual override and position indicator Metal gearbox and POM gear High flow capability  PARTS  MATERIAL  Actuator housing  Brass (ROHS PASS (ROHS PASS (ROHS PASS) (ROHS PASS (ROHS PASS)				DC5	<u>′</u>						
FEATURES  Mini dimension suit for small equipment  Patented technology-floating seal structure  Long service life:80000-100000 circles  Chemical process  Low working current, suitable for battery driving  Manual override and position indicator Metal gearbox and POM gear High flow capability  PARTS  MATERIAL  Actuator housing  Brass (ROHS PASS)  Valve ball  Stem  Replacing solenoid valve, particularly when solenoid can' work reliably  PARTS  MATERIAL  Actuator housing  Brass (ROHS PASS)  (ROHS PASS)	CM-125fp	2N.m	7Sec	AC/DC9	-24V <2W	IP65	1.6Mpa	0-100℃	-20℃ <t<45℃< td=""></t<45℃<>		
Mini dimension suit for small equipment Patented technology-floating seal structure Long service life:80000-100000 circles Chemical process Low working current, suitable for battery driving Control  Manual override and position indicator Metal gearbox and POM gear High flow capability  PARTS MATERIAL  Actuator housing  PARTS MATERIAL  Actuator housing  Brass (ROHS PASS) (SS304)  Stem  Mini dimension suit for small equipment Water treatment Water treatment Water treatment Water treatment Water treatment  HyAC  Patented technology-floating seal structure Water treatment Water treatment  HyAC  Water treatment  Achieved ship in the process  And actuator housing  Brass (ROHS PASS)  Valve ball Stem Rohs Pass (ROHS PASS)				AC85-2	65V						
Patented technology-floating seal structure  Long service life:80000-100000 circles  Chemical process  Low working current, suitable for battery driving  Manual override and position indicator  Metal gearbox and POM gear  High flow capability  PARTS  MATERIAL  Actuator housing  Brass (ROHS PASS (				7	FE.	ATURES		APPL	ICATION		
Long service life:80000-100000 circles  Low working current, suitable for battery driving  Manual override and position indicator  Metal gearbox and POM gear  High flow capability  PARTS  MATERIAL  Actuator housing  Brass (ROHS PASS (ROHS PASS (ROHS PASS) (ROHS PASS)				М	ini dimension s	uit for sma <b>ll</b> ed	quipment	F	IVAC		
Low working current, suitable for battery driving  Manual override and position indicator  Metal gearbox and POM gear  High flow capability  PARTS  MATERIAL  Actuator housing  Brass (ROHS PASS)  Valve ball  Stem  Stem  Stem  Small equipment for automatic Control  Replacing solenoid valve, particularly when solenoid can work reliably  PARTS  MATERIAL  Actuator housing  Brass (ROHS PASS) (ROHS PASS) (ROHS PASS)				Pat	ented technolog	gy-floating sea	l structure	Water treatment			
driving  Manual override and position indicator  Metal gearbox and POM gear  High flow capability  PARTS  MATERIAL  Actuator housing  Brass (ROHS PASS)  Valve ball  Stem  Control  Replacing solenoid valve, particularly when solenoid can' work reliably  PARTS  MATERIAL  Actuator housing  Brass (SS304)  Brass (ROHS PASS) (ROHS PASS)				L	e:80000 <b>-</b> 100000	) circles	Chemical process				
Manual override and position indicator  Metal gearbox and POM gear  High flow capability  PARTS  MATERIAL  Actuator housing  Brass (ROHS PASS)  (SS304)  Stem  Manual override and position indicator  Replacing solenoid valve, particularly when solenoid can work reliably  PARTS  MATERIAL  Actuator housing  Brass (ROHS PASS) (SS304)	1			Lo	ent, suitable f	or battery	Sma <b>ll</b> equipm	ent for automatic			
Metal gearbox and POM gear High flow capability  PARTS  MATERIAL  Actuator housing  Valve body  Valve ball  Stem  Rass (ROHS PASS) (ROHS PASS) (ROHS PASS) (ROHS PASS) (ROHS PASS)					c	driving		Co	ontrol		
High flow capability  PARTS  MATERIAL  Actuator housing  Valve body  Valve ball  Stem  ROHS PASS  (ROHS PASS (ROHS PASS (ROHS PASS (ROHS PASS (ROHS PASS (ROHS PASS (ROHS PASS	A			N	lanual override	and position i	ndicator	Replacing solenoid valv			
High flow capability  PARTS  MATERIAL  Actuator housing  Valve body  Valve ball  Stem  ROHS PASS  (ROHS PASS  (ROHS PASS  (ROHS PASS  (ROHS PASS  (ROHS PASS	A.		( 6 600 MA		Metal gearb	ox and POM g	ear	particularly when solenoid c			
Actuator housing  Valve body  Valve ball  Stem  ROHS PASS  (ROHS PASS  (ROHS PASS  (ROHS PASS  (ROHS PASS  (ROHS PASS	colours m	ay vary			High flo	ow capability		work	reliably		
Housing  Valve body  Valve ball  Stem  ROHS PASS  (ROHS PASS  (ROHS PASS  (ROHS PASS  (ROHS PASS		<del>  _</del>	В	ı  -	A	<u> </u>		PARTS	MATERIAL		
housing  Valve body  Valve ball  Stem  ROHS PASS  (ROHS PASS  (ROHS PASS  (ROHS PASS  (ROHS PASS								Actuator	ADC		
Valve body  (ROHS PASS  (SS304)  Brass  (ROHS PASS  (ROHS PASS  (ROHS PASS		Ы			1			housing	ADS		
Valve ball (SS304)  Brass (ROHS PASS							Valve body	Brass (ROHS PASS			
Stem (SS304)  Brass (ROHS PASS				<u> </u>				Valva hall	Brass		
Stem (ROHS PASS	T -			<del>-</del>				valve ball	(SS304)		
(ROHS PASS	5							Stem	Brass		
13   1   1   1   1   1   1   1   1   1								Otem	(ROHS PASS		
Ball seat PTFE											

										Seal		E	PDM
Valve size(mm)	Size	D1/D2	Φd	L1/L2	L3	F	Α	В	C	НЗ	H2	H1	W(kg)
	DN15	G1/2"	15	13	57	27	66.5	55	16	48	16.5	27	0.37
Both Female screw (Full port)	DN20	G3/4"	20	16	70	32	66.5	55	16	48	21.5	81	0.52
	DN25	G1"	25	20	82	38	66.5	55	16	48	21.5	81	0.68

WIRING

R201 R302 R301/R303 R202 R505 Standard control Two point control One point control Auto-return Signal feedback



#### NDUSTRICTION FOR MANUAL OVERRIDE

It is only permitted to use when power- off.

Lift the hand-wheel, and turn it left or right until the valve is in place.

When the black line on the indicator is horizontal, the valve is on; when vertical, the valve is off.

Press down hand-wheel after using manual override in order to work properly when power-on

# Model: VCSRxxx-125fp

					TE	CHNIC	CAL F	PARAME	ETERS								
Series	Max	Oper	ating	Worki	ng	Ma	ΙX	Enclo	sure	Ma	ах	Me	edium		Am	ıbient	
33,103	torque	tin	ne	voltaç	je	pow	/er	2.1010	<b>July</b>	pres	sure	temp	peratur	е	temp	erature	
VCS-125fp	2N.m	78	ec	DC5 <sup>o</sup> AC/DC9 AC85-2	-24V	<2\	w	IP6	5	1.6	Ира	0-	100℃		<b>-20</b> ℃	<t<45℃< td=""></t<45℃<>	
				7			FE	EATURE	S					APPLI	CATIO	N	
					Mini d	limens	sion s	suit for	sma <b>ll</b> e	equipm	ent		HVAC				
				Р	atente	d tech	nolc	gy-float	ting se	al stru	cture		Water treatment				
1					Long	, servi	ce lif	fe:80000	-10000	00 circl	es		Cł	nemica	al proc	ess	
<u> </u>			1	Low	worki	ing cu	rrent	t, suitab	le for l	oattery	driving	g Si	mall eq	-	ent for a	automatic	
4		U			Manu	ıal ove	erride	e and po	sition	indica	tor		Replacing solenoid valve,				
,		< € 4	any (AF			Meta <b>l</b> (	gear	box and	POM	gear		pa	rticula	ly wh	en sole	enoid can't	
colours m	nay vary					Hi	igh f	low cap	ability					work	reliably	1	
To a						-		1	,		-		PARTS			TERIAL	
~		<b>ユ</b>	7								Actuator housing			ABS			
			4	B		Ł					$\exists$	V	alve bo	dy	ss	304,316	
		ını	<u> </u>			F		4	_		ゴ	\	/alve b	all	ss	304,316	
<u></u>		<u>,</u>		# #		┰	_	1	╁	7			Stem		ss	304,316	
(				#		t		-	$\parallel$				Ball se	at	l	PTFE	
					-			1	ш				Seal		E	PDM	
Va <b>l</b> ve size	e(mm)	Size	D1/0	02 Φd	ι	_1	L2	L3	F	h	H1	H2	Н3	b	d	W(kg)	
		DN15	G1/2	2" 15		11	11	54	27	4.5	16	22	55	73	61	0.38	
Both Femal	e screw	DN20	G3/4		'	10	10	62	30	4.5	16	22	55	73	61	0.42	
		DN25	G1'	' 20		16	18	73	38	4.5	22	25	55	73	61	0.53	
			WIRING						Doo	2		DEAS					
				R201 ard contro ack	R302 R301/R303 R202 R505 ontrol Two point control One point control Auto-return Signal												
			^			, N	NDUS	STRICTI	ON FO	R MAN	IUAL O	VERR	IDE			F	
Hand whee Indicating Window	120			It is only permitted to use when power- off.													
		Lift the hand-wheel, and turn it left or right until the valve is in place.															
When the black line on the indic																	
			Pres	s down ha	nd-wl	nee <b>l</b> af	fter u	ising ma	anual c	verrid	e in ord	ler to v	work pr	operly	/ when	power-on	

### Model: VCMRxxx-160 and VCSRxxx-160

			TEC	CHNICAL	PARAMETERS	;							
Series	Max torque	Operating time	Working voltage	Max power	Enclosure	Max pressure	Medium temperature	Ambient temperature					
VCM-160 VCS-160	6N.m	8Sec	DC9-24V	<6W	IP65	1.0Mpa	0-90℃	-20℃ <t<45℃< td=""></t<45℃<>					
			1	FE	ATURES		APPI	LICATION					
			Large to	orque,per	form reliably,m	etal gear	HVAC&Fire	sprinkler Service					
1			Patented	techno <b>l</b> o	gy-floating sea	l structure	IC card water	meter,Heat meter					
		-1	Lor	ng service	e life:>80000 ci	rcles	Environmenta	protection Project					
		10	Low wo	rking cur	rent, suitable f	or battery	Small equipn	nent for automatic					
					driving		Control	water system					
			Angle ad	_	to control the valves	flow for	Water s	aving device					
colours m	ay vary	( E 6339 (AB	Good	substitut	ion for so <b>l</b> enoi	d valve	Drinking wat	er equipment and					
	High flow capability project												
	PARTS MATERIAL												
wiring	wiring R401  Actuator housing  ABS												
	空制	_/_	GR 绿	<b>~</b> `	™K1		Valve body	Brass/SS					
	电路	7	黄 -	<b>~</b> `	%K2		Va <b>i</b> ve ba <b>ii</b>	Brass/SS					
(	M	\	BK M			sunday.	Stem	Brass/SS					
		2			=	GND	Ball seat	PTFE					
							Seal	EPDM/EPDM NBR/Si-O ring					
				Wiring	Diagram								
	K1		K2		Con	trol State		Note					
	Open		Open		Fu	ıll close		Keeping					
	Close Open Open 30%±10% Keeping												
	Open		Close		Open	60%±10%		Keeping					
	Close		Close			u <b>ll</b> open		Keeping					
		·	oen+K2 open,va		-	-							
					-		g in this position						
	3.						g in this position	•					
	4.K1 close+K2 close, valve full open and stay in full open position.												

valve body size available in DN8,DN15,DN20,DN25 and DN32  $\,$ 

#### Model: VCMRxxx-150K

#### Motorized Valve-Quick Installation Valve

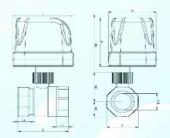








- 1, IC card meters, heat energy meters, air-warm valve.
- 2, HVAC and fire work.
- 3, Water equipment, auto-control water system, industrial mini-auto
- 4, Irragation equipment, drinking water equipment, solar water heaters, washing machines, water heaters, industrial



#### Technical Parameter

Model		VCM-150K
Rated	Voltage	AC220V/AC24V
Contro	l Model	CR02/CR03(3Wires)
Rated	Current	<80mA
Body Valv	e Material	Brass (58-3A)
Output	Torque	5.0MN
Valve	Size	3/4" to 1 "
	3/4"	4.5 m3/h
KVs	1"	5.7 m3/h
Valve Thre	ead Screw	BSP / Both Female Screws
Open/Cl	ose Time	<15 Seconds
Encl	osure	IP64
Working	Pressure	Maximum 1.6Mpa/(232Psi)
Medium Te	emperature	2-90℃
Mo	otor	Synchronous Motor
Po	wer	22VA /4.5VA

#### **Abnormal Situation**

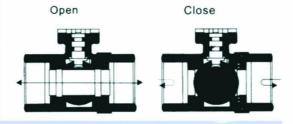
R302

No	Abnormal	Reason	Solution
01	Reverse direction between open and closed	Wiring connection error	Adjust the wiring of open and closed
02	Actuator does not working	Wiring connection error	Check the power and wiring
02		Motor damage	Replace the Actuator
03	Screw connection cracking	Inappropriate screw Non-standard Intallation Force too much	Replace the valve body
04	Don't fully open and closed for vlave	Clogged /poor water quality	Clear the clog/add a filter

#### Valve Body Parameter

No	CONNECT	ION SIZE	Φd	L1	L2	L	F	Н1	Н2	НЗ	Н	ь	d
	DN20	3/4	17	13	13	60. 6	31	16. 5	33.5	77	68	63	80
CWX-50K	DN25	1 "	23.5	14. 5	14.5	66. 7	38	22.5	39. 5	77	68	63	80
	DN32	1	27	17	17	75	47	25	42	77	68	63	80

#### Valve Body Section Plan



# Wiring Diagrams (3 wires) R301 (sw+) or R303 (sw-)

Model: VCMRxxx-1001, VCSRxxx-1001 and VCPRxxx-1001

viouei. vC	IVII\XXX-	1001, VCSR	XXX-1001 all	iu voer	\xxx-1001			
			TEC	CHNICAL	PARAMETERS			
Series	Max	Operating	Working	Max	Enclosure	Max	Medium	Ambient
	torque time			power		pressure	temperature	temperature
VCM-1001			DC5V					
VCS-1001 VCP-1001	10N.m	<12Sec	AC/DC9-35V	<22W	IP67	1.6Mpa	0-100℃	-20℃ <t<45℃< td=""></t<45℃<>
70. 1001			AC85-265V					
				FI	EATURES		APF	PLICATION
		in	Mini di	imension	suit for small e	equipment		HVAC
			Patente	d technolo	ogy-floating se	eal structure	Wate	er treatment
			Long	service li	fe:80000-1000	00 circles	Chem	ical process
							Small equip	ment for automatic
	A. T. A.		Low worki	ng curren	t, suitab <b>l</b> e for l	battery driving	'	Control
			Quid	ckly open	and position i	ndicator	Replacing	g solenoid valve,
		( € 6559 (AB)	,	Vetal gear	box and POM	gear	particularly v	vhen solenoid can't
colours m	ay vary	( E Gassy (AF)		High f	low capability		wo	rk reliably
г		71.09	-		7.39	-1	PARTS	MATERIAL
6	- (1		1 5 0	24 €			Actuator	450
						housing	ABS	
						Valve body	Brass,SS304,S	
			7			valve body	S316,UPVC	
				711		Valve ball	Brass,SS304,S	
			1	<del>-</del> - 1		Tail o bail	S316,UPVC	
		*	1		Stem	Stainless steel		
			(					
		<u> </u>			Ball seat	PTFE		
rings:	Valve	body Dimension(r	nm) Size	D1/D2	Φd	L	Seal H	EPDM d
R201	Vaive	ouj Dimonololi(I	DN15	G1/2"		55	43.5	15
andard cont			DN20	G3/4"	20	60	51.5	20
2 wires	Bras	ss both female scre	DN25	G1"	25	70.5	59.5	25
R302 vo point cont	trol		DN32	G11/4'	, 32	85.5	68	32
3 wires			DN15	G1/2"	15	58	54	15
R301/R303 ne point con			DN20	G3/4"	20	65	66	20
3 wires		less steel both fem	nale DN25	G1"	25	77	71	25
R202		screw	DN32	G11/4'	, 32	90	84	32
uto-return 2 wires			DN40	G11/2'	, 40	98	100	38
R505			DN50	G2"	50	121	118	50
Signal feedba 5 wires	ck		DN15	G1/2"	15	121.5	56	12.8
500			DN20	G3/4"	20	135	68	19
	UP\	/C both female scr		G1"	25	150	75	25
			DN40	G11/2		181	105	38
			DN50	G2"	50	206	128	49

Model: VCPRxxx-1002

			TE	CHNICAL	PARAMETERS						
	Max	Operating	Working	Max		Medium	Medium Ambient				
Series	torque	time	voltage	power	Enclosure Processing 1985	pressure	temperature	tem	perature		
VCP-1002	20N.m	12Sec	AC220V	<16W	IP65	1.6Mpa	0-100℃	0℃	<t<50℃< td=""></t<50℃<>		
				F	EATURES		Al	APPLICATION			
		The state of the s	Mini d	suit for small (	Water t	Water treatment industry					
1				High perfo	ormance/price	ratio	Pro	ocess con	trol		
			Metal c	Metal core,reliable quality and super torque					nation		
٩	C.E.			Posi	tion indicator		Pharma	ceutica <b>l</b> ed	uipment		
colours m	ay vary	( E 659 M	Manu	al override	e is easy and c	onvenient	Clea	ning equip	ment		
					PARTS			MATER <b>I</b> AL			
					Actuator hous	sing		ABS			
					Coupling		Die	Die-casting metal			
			H2		Bracket		Stainless	Stainless Steel,Carbon steel			
					Valve body		UPVC				
			,		Valve ball			UPVC			
					Stem			UPVC			
Valve	Valve body Dimension(mm)			H1	H2	D	L	L1	В		
	DN15(1/	2")		175	27	54	113	136	86		
	DN20(3/4")			181.5	31.5	63	124	136	83		
	DN25(1") DN32(1 -1/4")		UPVC	188	36	72	142	136	83		
				199.5	48.5	97	179	136	83		
	DN40(1-1		-	223.4	48.5	97	179	113	113		
	DN50			240.4	59.5	119	202	113	113		
				WIF	RING						
R6	11	R612	2								

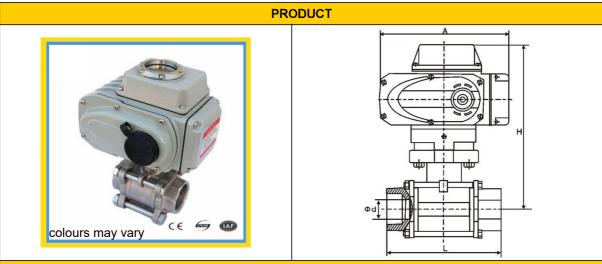
Model: VCPRxxx-1005

	CPRXX									
				CHNICAL	PARAMETERS					
Series	Max	Operating	Working	Max	Enclosure	Max	Medium		mbient	
	torque	time	voltage	power		pressure	temperatu	re tem	perature	
			DC12V DC24V							
VCP-1005	50N.m	15Sec	AC220V	<16W	IP67	1.6Mpa	0-100℃	0℃	<t<50℃< td=""></t<50℃<>	
9				F	EATURES			APPLICATIO	ON	
	C		Mini o	limension	suit for sma <b>ll</b> e	equipment	Wate	er treatment i	ndustry	
				High perfo	ormance/price	ratio	ı	Process con	trol	
		4	Metal c	ore,reliabl	e quality and s	uper torque	Ind	ustrial autor	nation	
				Positio	n indicator(Y/N	1)	Pharn	naceutica <b>l</b> ec	<b>Juipment</b>	
colours m	nay vary	(E 659 MF	Manu	al override	e is easy and c	Cle	eaning equip	ment		
			7		PARTS			MATERIAL		
					Actuator hous	sing		Aluminum Alloy		
			Ŧ <u>-</u>		Coupling			Stainless Steel		
a				Bracket				Stainless Steel		
					Valve body	/		UPVC		
a a					Valve ball			UPVC		
Ĺ		L1			Stem			Stainless St	eel	
Valve	body Dime	ension(mm)	Materia	H1	H2	D	L	L1	В	
	DN15(1/	2")		175	27	54	113	136	86	
	DN20(3/-	4")		181.5	31.5	63	124	136	83	
	DN25(1	")	UPVC -	188	36	72	142	136	83	
	DN32(1 -1	/4")		199.5	48.5	97	179	136	83	
	DN40(1-1	/2")		223.4	48.5	97	179	113	113	
	DN50			240.4	59.5	119	202	113	113	

Model: VCSRxxx-1010

High performance/price ratio  Metal core, reliable quality and super torque  Position indicator  Pharmaceutical equipment  Manual override is easy and convenient  Cleaning equipment  PARTS  MATERIAL  Actuator housing  Coupling  Die-casting metal  Bracket  Stainless Steel, Carbon steel  Valve body  SS304, SS316	orque time	/CSR-1010					М					
VCSR-1010 100N.m 18Sec DC12V AC/DC24V <14W IP67 1.6Mpa 0-100°C 0°C<1<60    Mini dimension suit for small equipment   Mater treatment indust	ON.m 18Sec	/CSR-1010	me	voltage			141	ax	Medium	Amb	pient	
VCSR-1010 100N.m 18Sec AC/DC24V <14W IP67 1.6Mpa 0-100°C 0°C <t<60 abs="" ac220v="" actuator="" and="" application="" automation="" body="" bracket="" carbon="" control="" core,="" coupling="" die-casting="" dimension="" equipment="" features="" for="" high="" housing="" indicator="" indust="" industrial="" material="" metal="" mini="" parts="" performance="" pharmaceutical="" position="" price="" process="" quality="" ratio="" reliable="" small="" ss304,ss316<="" stainless="" steel="" steel,="" suit="" super="" td="" torque="" treatment="" valve="" water=""><td></td><th></th><td></td><td></td><td>power</td><td>Enclosure</td><td>pres</td><td>sure</td><td>temperature</td><td>tempe</td><td>rature</td></t<60>					power	Enclosure	pres	sure	temperature	tempe	rature	
Mini dimension suit for small equipment  High performance/price ratio  Process control  Metal core, reliable quality and super torque  Industrial automation  Position indicator  Pharmaceutical equipment  Manual override is easy and convenient  Cleaning equipment  PARTS  MATERIAL  Actuator housing  ABS  Coupling  Die-casting metal  Bracket  Stainless Steel, Carbon steel  Valve body  SS304,SS316	vary (6 5 20	9	Sec /	AC/DC24V	<14W	IP67	1.61	Мра	0-100℃	0℃ <t< td=""><td>&lt;60℃</td></t<>	<60℃	
Mini dimension suit for small equipment  High performance/price ratio  Metal core, reliable quality and super torque  Industrial automation  Position indicator  Pharmaceutical equipment  Manual override is easy and convenient  Cleaning equipment  PARTS  MATERIAL  Actuator housing  ABS  Coupling  Die-casting metal  Bracket  Stainless Steel, Carbon steel  Valve body  SS304,SS316	vary CE SO AD			1	F	APP	LICATION					
Metal core, reliable quality and super torque  Position indicator  Pharmaceutical equipment  Manual override is easy and convenient  Cleaning equipment  PARTS  MATERIAL  Actuator housing  ABS  Coupling  Die-casting metal  Bracket  Stainless Steel, Carbon steel  Valve body  SS304,SS316	vary CE SO AN			Mini d	imension	Water treatment industry						
Position indicator  Pharmaceutical equipment  Manual override is easy and convenient  Cleaning equipment  PARTS  MATERIAL  Actuator housing  Coupling  Die-casting metal  Bracket  Stainless Steel, Carbon steel  Valve body  SS304,SS316	vary CE S A	(			High perfo	Proc	ess contro	)I				
Manual override is easy and convenient  Cleaning equipment  PARTS  MATERIAL  Actuator housing  Coupling  Die-casting metal  Bracket  Stainless Steel, Carbon steel  Valve body  SS304,SS316	vary CE S (A)					e quality and	super to	orque	Industri	al automa	tion	
PARTS  MATERIAL  Actuator housing  Coupling  Die-casting metal  Bracket  Stainless Steel, Carbon steel  Valve body  SS304,SS316	vary CE 659 M				Posi	tion indicator		Pharmaceutical equipme				
Actuator housing  ABS  Coupling  Die-casting metal  Bracket  Stainless Steel,Carbon steel  Valve body  SS304,SS316		colours ma	600y (A)	Manu	al override	e is easy and o	conveni	nient Cleaning equipment				
Coupling Die-casting metal  Bracket Stainless Steel,Carbon steel  Valve body SS304,SS316					PAF	RTS			MATERIAL			
Bracket Stainless Steel,Carbon steel  Valve body SS304,SS316	<del>-</del>	H		Actuator housing					ABS			
Bracket Stainless Steel, Carbon steel  Valve body SS304.SS316				Coupling					Die-casting metal			
	H H		H2		Brad	cket						
			)		Va <b>l</b> ve	body						
Valve ball SS304,SS316					Va <b>l</b> ve	e ba <b>li</b>						
Stem SS304,SS316	L1				Stem					SS304,SS316		
Valve body Dimension(mm) Material H1 H2 D L L1	y Dimension(mm)	Valve b	mm)	Material	H1	H2		D	L	L1	В	
DN15(1/2") 175 27 54 113 136	N15(1/2")				175	27		54	113	136	86	
DN20(3/4") 181.5 31.5 63 124 136	N20(3/4")			7	181.5	31.5	,	63	124	136	83	
DN25(1") SS304 188 36 72 142 136				SS304	188	36		72	142	136	83	
DN32(1 -1/4") SS316 199.5 48.5 97 179 136	V32(1 -1/4")			SS316	199.5	48.5	,	97	179	136	83	
DN40(1-1/2") 223.4 48.5 97 179 113 1	N40(1-1/2")				223.4	48.5	,	97	179	113	113	
DN50(2") 240.4 59,5 119 202 113 1	ON50(2")			7	240.4	59.5		119	202	113	113	
WIRING					WIRI	IG						
CR11 CR12 CR13 CR14 CR15	CR1	CR1	CR1	12	С	R13		CR14		CR15	<b>5</b>	
PRODUCT CERTIFICATE				PRC	DUCT CE	RTIFICATE						

Model: VCxSRxxx-1005, -1016, -1025, -1050



#### **FEATURE**

CTB-BRD series has owns characteristics of special design, beautiful appearance, strong function, operation endurance exceeding ten times of standard of same kind of product.

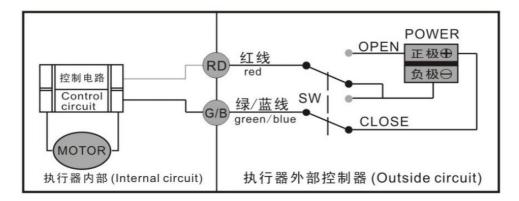
It may be called to be endurable as diamond. The rotation valve electric appliance series product has a completely new appraisal from customers with its super performance and peerless advantage.

			PARAMETERS&	ERFORMANCE				
1	Actuator	Paramete	ers		Valve Parameters			
Power		AC110,	220,380V/DC24V	Valve Size	Valve Size		DN15~DN100	
Torque	Torque 50		N.M~500NM	Valve press	ure	PI	N10/PN16	
Control		Switc	h/Contact -point	Valve mater	Malia matarial		steel/Stainless	
Control		Opening	g signal/Intelligent	valve mater	iai		Steel	
Action angle 0~9		0~90 d	egree ±5 degree	Ball materi	al	3	04/316L	
Action tim	Action time 15/3		0/60 Seconds	Input sign	Input signal 0~10,1~		5VDC/4~20mA	
Ambient Tempe	Ambient Temperature		-20~60℃	20~60℃ Sealing		F4	46/F2/PP	
Manual overrid	nual override(Y/N)		Υ	Media temperature		<b>-</b> 50~150℃		
IP class			IP-68	Suitable media		Pure water,water,		
ii ciass			1F <b>-</b> 00	Sultable file	Outlable media		glycol,Oil,Air	
			DIMEN	SIONS				
Valve Size		d	L	Α		Н	Actuator	
Valve Gize		<u> </u>	_	^		••	Model	
DN15	,	15	75	160		166		
DN20		20	80	160		170		
DN25		25	90	160		180	VCxS-1005	
DN32	32		110	160		185		
DN40	;	38	120	160		198		
DN50		50	140	198		237	VCxS-1016	
DN65		65	185	255		290	V CX3-1010	
DN80		78	205	255		302	VCxS-1025	
DN100		98	240	255	320		VCxS-1050	

# WIRING DIAGRAMS for V...-100 - V...-199

R201 Wiring diagram (two wires and reverse polarity)

Supply power:3-6VDC,9-24VDC

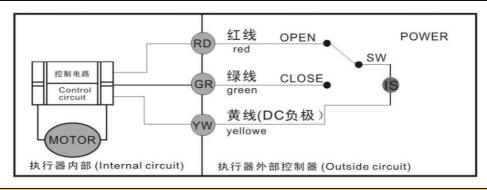


1.Connecting SW and OPEN , the valve opens , getting the position ,automatically power off, the valve remain fully open position

2.Connecting SW and CLOSE, the valve close, getting the position, automatically power off, the valve remains side passes position(fully closed)

R302 Wiring diagram (three wires two control)

Supply power:3-6VDC,9-24VDC

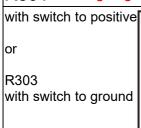


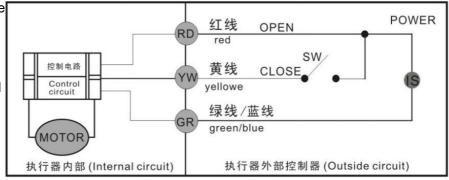
1.Connecting SW and OPEN, the valve opens, getting the position, automatically power off, the valve remain fully open position

2.Connecting SW and CLOSE, the valve close, getting the position, automatically power off, the valve remains side passes position(fully closed)

R301 Wiring diagram (three wires one control)

Supply power:9-24VDC/AC,85-265VAC



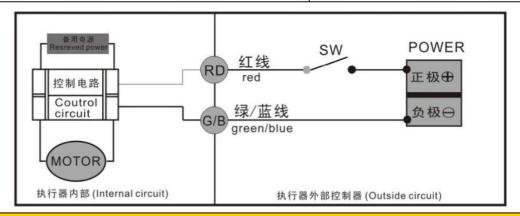


1.Connecting SW and OPEN, the valve opens, getting the position, automatically power off, the valve remain fully open position

2.Connecting SW and CLOSE, the valve close, getting the position, automatically power off, the valve remains side passes position(fully closed)

R202 Wiring diagram (two wires and fail-safe/power-off return)

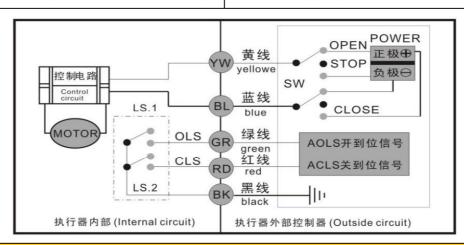
Supply power: 3-6VDC,9-24VDC/AC,85-220VAC



- 1.SW closed ,the valve open/close, getting the position, power off automatically, the valve remains fully open/close position
- 2.SW opened ,the valve open/close, getting the position, power off automatically, the valve remains fully open/close position

R505 Wiring diagram (five wires micro controller)

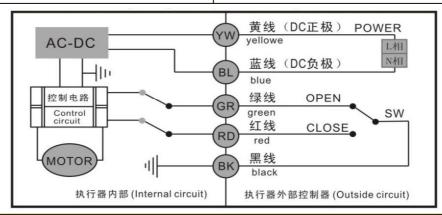
Supply power:3-6VDC,12VDC,24VDC



- 1.Connecting SW and OPEN, the valve opens, getting the position, LS.1 connection, the controller tested and find the signal of AOLS, the valve remains fully open position, mean while power off automatically.
- 2.Connecting SW and CLOSE, the valve opens, getting the position, LS.2 connection, the controller tested and find the signal of AOLS, the valve remains fully open position, mean while power off automatically.

R506 Wiring diagram (five wires two control)

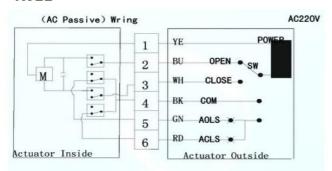
Supply power:9-24VDC/AC,220VAC



- 1.Connecting SW and OPEN , the valve opens , getting the position ,automatically power off, the valve remain fully open position
- 2.Connecting SW and CLOSE, the valve close, getting the position, automatically power off, the valve remains side passes position(fully closed) http://www.ventilo.com

#### Wiring Diagrams

#### R611

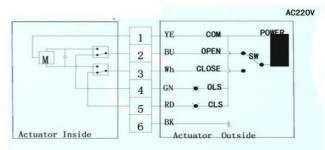


"SW" and "OPEN" connected , the valve open, the internal automatic

power-off place
The BK&GN output the open signal, the valve remains in the fully open state "SW" and "CLOSE" connected, the valve off, and internal automatic power-off

The BK &RD output the off signal, the valve remains in the fully closed state

#### R612

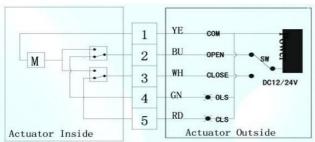


"SW" and "OPEN" connected , the valve open, the internal automatic

power-off place
The YE&GN output the open signal, the valve remains in the fully open state.
"SW" and "CLOSE" connected,the valve off, and internal automatic power-off

place
The YE &RD output the off signal, the valve remains in the fully closed state

#### R513

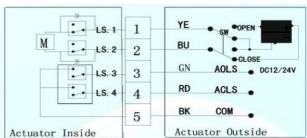


"SW" and "OPEN" connected , the valve open, the internal automatic

The YE&GN output the open signal, the valve remains in the fully open state.
"SW" and "CLOSE" connected, the valve off, and internal automatic power-off

place
The YE &RD output the off signal, the valve remains in the fully closed state

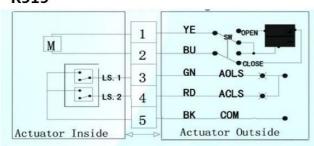
#### R514



"SW" and "OPEN" connected , the valve open, place internal LS.1 disconnect Ls.3 conduct, BK&GN output signal to open in place, the valve maintain to the fully open state

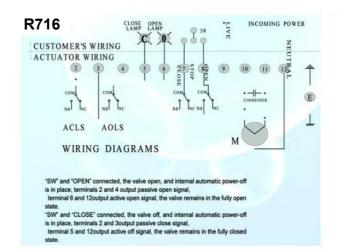
"SW" and "CLOSE" connected, the valve off, place internal LS.2 disconnect Ls.4 through conduction, BK&RD output signal off place, the valve maintain to the fully closed state

#### R515



"SW" and "OPEN" connected, the valve place internal LS.1 conduct, Controller power-off when it detected "AOLS"

the valve maintain to the fully open state. SW" and "CLOSE" connected,the valve close, place internal LS.2 conduct, Controller power-off when it detected "ACLS" the valve maintain to the fully close state.



# SPECIFICATIONS

VCP-1002 VCP-1010

The use specification of valve electric appliance

# Welcome to choosing our products of industrial class actuators, the following is the introduction of our industrial class actuators.

# I. (Summary)

Series VCP-1002 and VCP-1010

actuators with its smart design, wonderful shape, suitable for many kinds of vavles. It has proved its superior quality for its stable nature, and good quality. This actuators are return type and suitable to DC or AC (will be set in the factory), can be controlled by outside cut off. This actuator run low cost and does not need to maintain.

- ◆ DC or AC (should be set in the factory), control mode is flexible, convenience to microprocessor and realize the automated control by PLC.
- ◆ Manual/electrically operated integrated design, Simply to operate.
- ◆ Large output torque, inner overheated protective device, works stable and reliable.
- ◆ Low noise, good lead-proof. Through the coupling, the carriage with the valve to be connected, easy to install and operate.

#### Caution

To be safely and long-term use of this device, please read carefully this instruction before installation.

Attention: the specification and application method should be explicit, to avoid device damage and body injury.

To indicate the dangerous and damage, it shows as "warning" and "notice"

"warning": if do not comply with this content, may cause human dead or heavy wound.

"notice": if do not comply with this content, may cause human light wound or device damage.

#### Warning

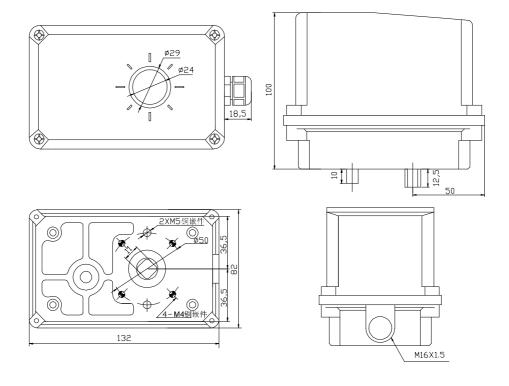
- ◆ The common product could not be installed in the room full of explosive air unless explosion-proof product.
- ◆ When power on, can not disassemble the actuator and the valve.
- When power on, cannot make the wiring project.

#### **Notice**

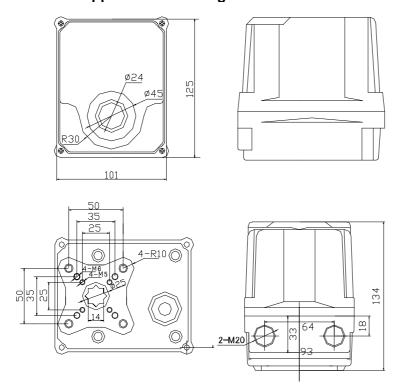
- ◆ Prohibit strictly drops the product, but to the product impact, this causes the movement bad
- ◆ Prohibit strictly steps the product, this causes the actuator breakdown or the human falls down the accident
- ◆ The rainy day or has the water splash condition, forbids to make the wiring project

# II. Appearance drawing

#### VCP-1002 Appearance drawing

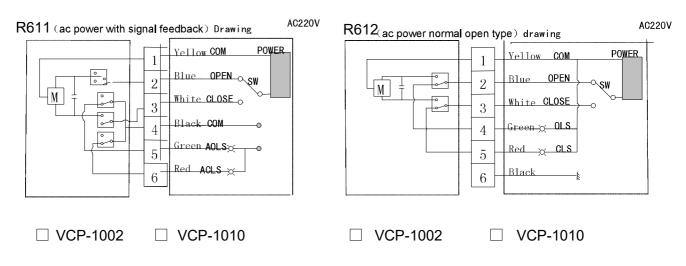


#### VCP-1010 Appearance drawing



# III. Wiring project

- Wiring project should be made by the qualified engineer according to electric equipment and technology standard.
- ◆ Rainy weather and/or high temperature do not wire the project.
- ◆ Before make wiring project, please read the wiring diagram, do not wire at own willing



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#### R611 wiring diagram (ac passive contact type)

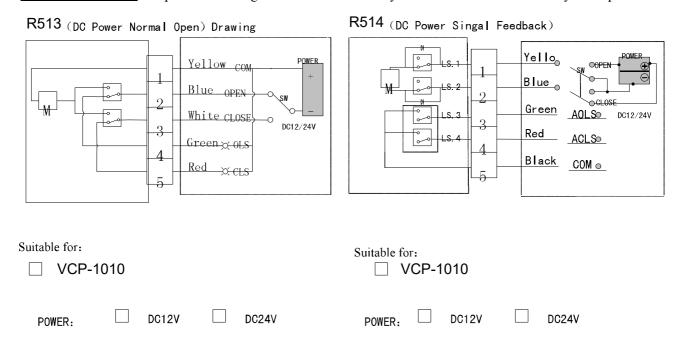
#### (1,yellow wire.2,blue wire.3,white wire.4,black wire.5,green wire.6,red wire)

- 1. Connecting SW and OPEN, the valve opens, getting the position, internal cut off the power automatically, <u>Black and green</u> wires output the open signal, the valve remains fully open position.
- 2. Connecting SW and CLOSE, the valve closes, getting the position, internal cut off the power automatically, <u>Black and red</u> wires output the close signal, the valve remains fully close position.

#### R612 wiring diagram (ac active contact type)

#### (1,yellow wire.2,blue wire.3,white wire.4,green wire.5,red wire.6,balck wire)

- 1. Connecting SW and OPEN, the valve opens, getting the position, internal cut off the power automatically, <u>Yellow and green wires</u> output the open signal when the valve fully open. The valve remains fully open position.
- 2. Connecting SW and CLOSE, the valve closes, getting the position, internal cut off the power automatically, <u>Yellow and red wires</u> output the close signal when the valve fully close. The valve remains fully close position.



#### R513 wiring diagram (dc active contact type)

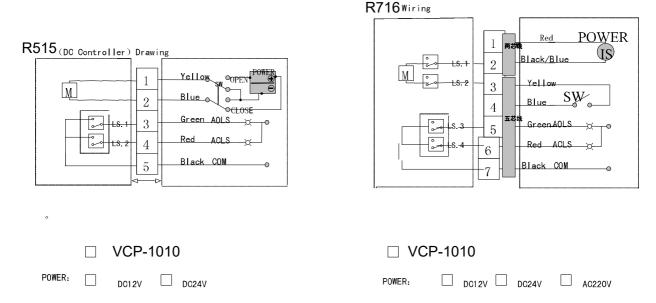
#### (1,yellow wire.2,blue wire.3,white wire.4,green wire.5,red wire)

- 1. Connecting SW and OPEN, the valve opens, getting the position, internal cut off the power automatically, <u>Yellow and green</u> wires output open signal when the valve fully open. The valve remains fully open position.
- 2. Connecting SW and CLOSE, the valve closes, getting the position, internal cut off the power automatically, <u>Yellow and red</u> wires output close signal when the valve fully close. The valve remains fully close position.

#### R514 wiring diagram (dc passive contact type)

#### (1,yellow wire.2,blue wire.3, green wire.4,red wire.5,black wire)

- 1. Connecting SW and OPEN, the valve opens, getting the position, LS.1 cut off, LS.3 connected, <u>black and green wires</u> output open signal, the valve remains wholly open position.
- 2. Connecting SW and CLOSE, the valve closes, getting the position, LS.2 cut off, LS.4 connected, <u>black and Red wires</u> output close signal, the valve remains wholly close position.



#### R515 Wiring diagram (dc micro control unit type)

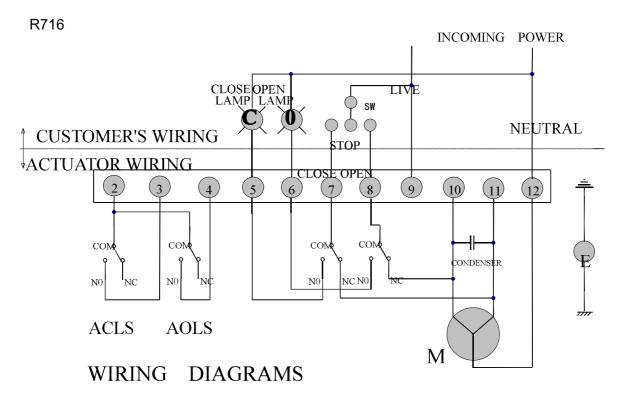
#### (1,yellow wire.2,blue wire.3,green wire.4,red wire.5,black wire)

- 1. Connecting SW and OPEN, the valve opens, getting the position, LS.1 connection, the controller tested and find the signal of AOLS, the valve remains fully open position, meanwhile power off automatically.
- 2. Connecting SW and CLOSE, the valve close, getting the position, LS.2 connection, the controller tested and find the signal of ACLS, the valve remains fully close position, meanwhile power off automatically.

#### R716 wiring diagram

#### (1,red wire.2,black/blue wire.3,yellow wire.4,blue wire.5,green wire.6,red wire.7,black wire)

- 1. SW close, the valve opens, getting the position, internal cut off power automatically, green wire and Black wire output passive open signal.
- 2. SW separate, the valve close, getting the position, internal cut off power automatically, <u>red wire and Black wire output passive close signal.</u>



- ☐ VCP-1010
- 1. Connecting SW and OPEN, the valve opens, getting the position, internal power off automatically, Terminal 2 and 4 output passive open signal, terminal 6 and 12 output active open signal, the valve remains Wholly open position.
- 2. Connecting SW and CLOSE, the valve close, getting the position, internal power off automatically, Terminal 2 and 3 output passive close signal, terminal 5 and 12 output active signal, the valve remains Wholly close position.

#### IV. Noted items of installation

- Please do not collide when installation.
- Please confirm the input power
- ◆ Please check the wiring contact whether it is correct, terminal block screws whether locked well, before electrifying.
- ◆ Forbids with other product power source control wiring series or parallel. (If must be parallel, the connection has plan showing in addition).
- ◆ The manual operation is banned during electrification.
- ◆ When installs the tubing, the sundry goods must be eliminated in order to avoid has the valve chest to suffer injury only.

V. Notice

- ♦ Please be far away from the gas or chemical material, in order to avoid the danger
- ♦ When uses the manual operation or the overhaul, please first switch off the power source, in order to avoid the danger
- ♦ After the wiring project completes, inspects the waterproofing (O ring) to install whether to fall off, then locked outer covering, to avoid receives the dust or rain water permeating.
- ♦ Please do not install in the perfect vacuum space directly.
- ♦ When the electrically operated actuator needs two above synchronizations open or close, please independent wiring, do not control wiring series or parallel, because the capacitor will disturb mutually, please install the relay, will control separately.
- ♦ When use the manual operation suggested that the spanner (the 8mm aperture) the length cannot surpass 10 centimeters, when use the manual coupling of the VCPR, must cut off the power. After the manual coupling enters the hexagonal head wrench, upward pushes, about back and forth moves, toward counterclockwise is the pass, toward to open right, after the circular telegram, automatic reset.
- ♦ When valve chest locking cannot use the manual part, and can not use the strength hard extension, avoids the internal part damage.
- ♦ When Uses manual function please note the Windows indicator not to be possible to surpass outside the scale range, to avoid the internal part damage.
- ♦ The motorized valve switch gap one time is 3 minutes (special second number by movements not to limit in this).

# VI. Other introductions

- Please do not reverse instantaneously to avoid the mechanical logical circuit breakdown.
- ◆ AC Voltage: motor with overheated protective device. (If there is foreign matter jamming in the valve, The machinery does not damage, and the motor does not damage).
- ◆ Indicator shows the condition of valve, 0=open, S= close

# VII. Special instruction

- The manual operation is forbidden while contacting.
- If installed at certain place having water or dust or the corrosive medium or splashed material, operator is supposed to install the protection cover additionally for covering complete-machine safely.
- Please installing protection cover above complete-machine (Notes: the shining of sunshine outdoor would lead to high-temperature which accelerates ageing of components, even losing effectiveness; The rain would accelerate aging of rubber-pad.)

- This product has pass completely-test and checkout conducted before ex-factory. The user may operate directly. Before the installment, please electrifying the operated actuator, to observe it whether normally.
- Please read the manual carefully before installation, check whether the qualified certificate, bar code and manual are enclosed, be sure installing correct according to the manual. If have the quality problem in the warranty period, fast relates with this company, without this company agreed that do not break a seal arbitrarily to service. Otherwise the company is generally irresponsible to the product quality.
- The unusual installment, use, wiring error, cause the product quality have the problem not to belong to the maintain scope, the maintenance cost occurring undertakes voluntarily by the user.

# ☆ Pipeline attention

When the pipeline installment tightens, please note the outer diameter of big end of the valve, maintains at with the spanner control the original spot, to avoid the valve body friction ball when the pipeline tightens because of synchronized revolving to be closed passes tightly, causing the valve operation not to be smooth.

#### VIII. informs you excellency:

The company electric operated valve product type is many, and improvement for the product function unceasingly, promotes the new product, this company retains to the instruction booklet change right. If has the change, No further notice.

The correlation technique question or has the special request, please relate with Our company.