

Introduction

According to the sealing performance, pneumatic butterfly valve can be divided into metal seal and soft seal type. Advantages pneumatic butterfly valve over other type valves may include:compact structure, miniature size, long servise life, good sealing performance, easy maintenance, quick detachable and installation $_{\circ}$

Electric Actuator

ON/OFF Type	Feedback: the Active Contact Signal, Passive Contact Signal, Resistance, 4-20mA
Regulation Type	Input & Output Signal: DC 4-20mA, DC 0-10V, DC 1-5V
Field Operation	The Field, Remote Control Switch Regulation and MODBUS, PROFIBUS Field Bu
Voltage Optional	AC110–240V 380V 50/60Hz; DC12V, DC24V, Special Voltage Can be Customize
Protection Class	Ip65; Explosion Proof Construption Are Acailable: EX d II BT4



	Body	Valve components				
Size Range	DN50-DN600	Seating Material	NBR, EPDM, VITON, PTFE			
Body material	SS, CI, Ductile Iron, WCB	Disc Material	SS, CI, Ductile Iron, WCB			
End Connection	Wafer Flange	Stem Material	Stainless Steel			
Operating Pressure	< 1.6MPa	Applicable media	Control of Water, Air, Gas, Oil, Liquid, Steam			
Structure	Midline Structure / A-type	<i>А</i> ррії саріє і Печіа				

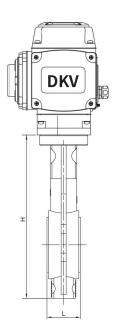
Qutine Size drawing

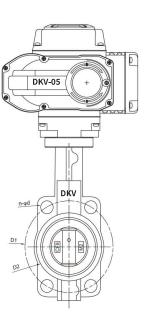
MEDLE	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300	DN350	DN400	DN500
Inch	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	20"
D	50	65	80	100	125	150	200	250	300	350	400	500
D1	96	104	127	153	180	206	270	320	368	428	482	605
D2	125	145	160	180	210	240	295	355	410	470	525	585
L	45	47	48	58	59	59	64	70	78	80	108	120
Н	212	225	256	280	315	345	405	480	554			
n–φd	4-ф18	4-ф18	4-ф18	4-ф18	4-ф18	4 -∳23	4-ф23	4-ф23	4-ф26	4-ф26	4-ф26	4-ф30
Weight (Kg)	5. 2	5. 6	6. 2	8. 9	10.3	11.7	18.8	24.8	43. 34			
Actuator	DKV -05	DKV -05	DKV -05	DKV -10	DKV -10	DKV -16	DKV -30	-30	DKV -60	DKV -60	DKV -125	DKV -250

Installation Instruction

- 1. Verify that the valve breakaway torque is less than the rated output torque of the actuator.
- 2. Any mechanical stops that would interfere with the operation of the actuator must be removed before installation of the actuator, i.e. lever, travel stops, etc.
- 3. The actuator output coupling must be centered with the valve stem to prevent side loading, which causes premature stem packing wear.
- 4. To use the manual override feature (identified on cover label), the override shaft must be pressed down firmly at least 1/4" in order to disengage the motor from the gears. The manual override is not designed to overcome torque in excess of the rated torque of the actuator. Serious damage to the gear system may result from excessive turning force on the manual override.
- 5. This Series actuator may be mounted in any position, i.e. horizontal, upside down. If the conduit entrance points upward, conduit piping must be oriented as to prevent condensation from entering the actuator from the conduit pipe.







UNIT: mm



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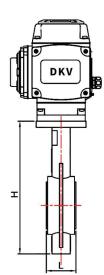


Technical Parameters

	Body	Valve components				
Size Range	DN50-DN600	Seating Material	NBR, EPDM, VITON, PTFE			
Body material	Stainless Steel	Disc Material	Stainless Steel			
End Connection	Wafer Flange	Stem Material Stainless Steel				
Operating Pressure	< 1.6MPa	Applicable media	Control of Water, Air, Gas, Oil, Liquid, Steam			
Structure	Midline Structure / A-type	Арріїсаріе піечіа				

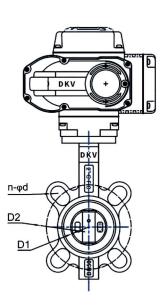
Qutine Size drawing

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MEDLE	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300	DN350	DN400	DN500
Inch	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	20"
D	52.7	64.4	78.8	104.2	123.3	157	202.5	250.5	301.6	333.3	389.6	491.6
D1	89	104	127	153	180	206	270	320	368	428	482	605
D2	125	145	160	180	210	240	270	320	368	428	482	585
L	41	43	45	50	54	54	60	66	75.5	86.5	86.5	131.8
Н	207	219	232	262	265	296	353	390	460	508	597	677
n–φd	4-ф18	4-ф18	4-ф18	4-ф18	4-ф18	4 -∳23	4-ф23	4-ф23	4-ф26	4-ф26	4-ф26	4-ф30
Weight (Kg)	5.2	5.6	7.2	8.9	10.3	11.7	18.8	24.8	305			
Actuator	DKV -05	DKV -05	DKV -05	DKV -10	DKV -10	DKV -16	DKV -30	DKV -30	DKV -60	DKV -60	DKV -125	DKV -250



Installation Instruction

- 1. Verify that the valve breakaway torque is less than the rated output torque of the actuator.
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Technical Parameters

	Body	Valve components				
Size Range	DN50-DN600	Seating Material	NBR, EPDM, VITON, PTFE			
Body material	Stainless Steel	Disc Material	Stainless Steel			
End Connection	Wafer Flange	Stem Material	Stainless Steel			
Operating Pressure	< 1.6MPa	Applicable media	Control of Water, Air, Gas, Oil, Liquid, Steam			
Structure	Midline Structure / A-type	Applicable Media				

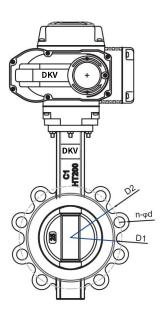
Qutine Size drawing

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MEDLE	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300	DN350	DN400	DN500
Inch	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	20"
D	52.7	64.4	78.8	104.2	123.3	157	202.5	250.5	301.6	333.3	389.6	491.6
D1	89	104	127	153	180	206	270	320	368	428	482	605
D2	125	145	160	180	210	240	295	355	410	470	525	585
L	41.4	44	45	52	54	54	55	60	65	76	86	130
Н	217	234	252	289	318	341	428	490	567			
n–φd	4-M16	4-M16	8-M16	8-M16	8-M16	8-M20	12-M20	12-M24	12-M24			
Actuator	DKV -05	DKV -05	DKV -05	DKV -10	DKV -10	DKV -16	DKV -30	DKV -30	DKV -60			

DKV

Installation Instruction

- 1. Verify that the valve breakaway torque is less than the rated output torque of the actuator.
- 2. Any mechanical stops that would interfere with the operation of the actuator must be removed before installation of the actuator, i.e. lever, travel stops, etc.
- 3. The actuator output coupling must be centered with the valve stem to prevent side loading, which causes premature stem packing wear.
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LIMIT: mm

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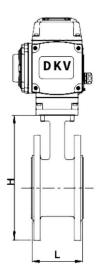
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Voltage Optional	AC110–240V 380V 50/60Hz; DC12V, DC24V, Special Voltage Can be Customize
Protection Class	Ip65; Explosion Proof Construption Are Acailable: EX d II BT4



Technical Parameters

	Body	Valve components				
Size Range	1.1/2"-3"	Seating Material	NBR, EPDM, VITON, PTFE			
Body material	SS, CI, Ductile Iron, WCB	Disc Material	Stainless Steel , WCB			
End Connection	150LB	Stem Material	Stainless Steel , WCB			
Operating pressure	< 1.6MPa	Applicable media	Control of Water, Air, Gas, Oil, Liquid, Steam			
Structure	Midline Structure / A-type	Applicable media				

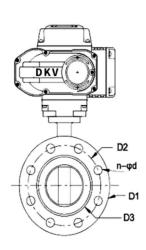


Qutine Size drawing

UNIT: mm

MEDLE	DN50	DN65	DNB0	DN100	DN125	DN150	DN200	DN250	DN300	DN350	DN400	DN500
Inch	2"	2-1/2"	3"	4"	5	6"	8"	10"	12"	14"	16"	20"
D	52.7	64.4	83	104.2	1233	157	202.5	250.5	301.6	333.3	389.6	491.6
D1	165	185	200	220	250	285	340	395	445	505	565	670
D2	125	145	160	180	210	240	295	355	410	470	525	620
D	99	118	132	156	184	211	266	319	370	429	480	582
L	108	112	114	127	140	140	150	165	185	195	216	229
Н	192	207	224	255	290	325	386	460	510	565	632	759
n–φd	4 - \$18	4- φ18	8 - \$18	8 - \$18	8-φ18	8 - \$22	8-φ22	12 - \$22	12 - \$22	16-φ22	16-φ26	20-φ22

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Field Operation	The Field, Remote Control Switch Regulation and MODBUS, PROFIBUS Field Bus
Voltage Optional	AC110-240V 380V 50/60Hz; DC12V, DC24V, Special Voltage Can be Customize
Protection Class	lp65; Explosion Proof Construption Are Acailable: EX d II BT4



	Body	Valve components			
Size Range	DN50-DN600	Seating Material	PTFE		
Body material	Stainless Steel	Disc Material	Stainless Steel		
End Connection	Wafer Flange	Stem Material	Stainless Steel		
Operating Pressure	<1.6MPa	Applicable media	Control of Water, Air, Gas,		
Structure	Midline Structure / A-type	Applicable Media	Oil, Liquid, Steam		

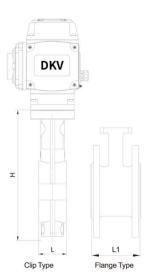
Qutine Size drawing

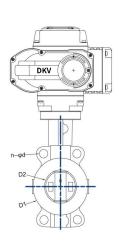
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MEDLE	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300	DN350	DN400	DN500
Inch	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	20"
D	50	65	80	100	125	150	200	250	300	350	400	500
D1	96	104	127	153	180	206	270	320	368	428	482	605
D2	125	145	160	180	210	240	295	355	410	470	525	585
L	43	46	46	52	56	56	60	68	78	78	102	127
L1	108	112	114	127	140	140	152	165	178	190	216	229
Н	212	230	233	270	298	337	407	480	555	610	715	870
n–φd	4-ф18	4-ф18	8-ф18	8-ф18	8-ф18	8-ф23	8-∳23	12-ф23	12-ф23	16-ф23	16-ф25	20-ф25
Actuator	DKV -05	DKV -05	DKV -05	DKV -10	DKV -10	DKV -16	DKV -30	DKV -30	DKV -60			

- 1. Verify that the valve breakaway torque is less than the rated output torque of the actuator.
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- 3. The actuator output coupling must be centered with the valve stem to prevent side loading, which causes premature stem packing wear.
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Protection Class	lp65; Explosion Proof Construption Are Acailable: EX d II BT4



Technical Parameters

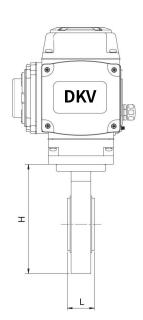
	Valve Body	Valve Components			
Size Range	DN50-DN600	Body Material	UPVC, CPVC, RPP, PVDF		
Operating Pressure	1.0MPa	Stem Material	UPVC, CPVC, RPP, PVDF		
End Connection	Wafer, Flange	Sealing Material	EPDM, NBR		
Structure	Midline Structure A Type	Applicable Media	Compatible PVC Food Industry Chemical Solvents		

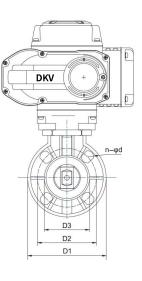
Qutine Size drawing

UNIT: mm

MEDLE	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300	DN350	DN400	DN500
Inch	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	20"
D	52.7	64.4	83	104.2	123.3	157	202.5	250.5	301.6	333.3	389.6	491.6
D1	165	185	200	220	250	285	340	395	445	505	565	670
D2	125	145	160	180	210	240	295	355	410	470	525	620
D3	99	118	132	156	184	211	266	319	370	429	480	582
L	108	112	114	127	140	140	150	165	185	195	216	229
Н	192	207	224	255	290	325	386	460	510	565	632	759
n–φd	4-ф18	4-ф18	8-ф18	8-ф18	8-ф18	8-Ф22	8- Ψ22	12-ф22	12-ф22	16-ф22	16-ф26	20-ф26
Weight (Kg)	4.48	4.48	5.28	7.38	7.78	9.02	10.48					

- 1. When removing the valve from storage, a careful check should be made to ensure that the valve has not been damaged during the storage period.
- 2. Valve open or close position is indicated on the notch plate for lever operated valves or on the top of the gear operator for gear operator operated valves.
- 3. Center valve, span body with bolts, but do not tighten. Slowly open disc to ensure that it clears adjacent pipe ID and leave at full open position.
- 4. For flange welding center valve with disc 10 open between flanges, span bolts, align this assembly in pipe and tack weld flanges to pipe. After tack welding, remove valve and finish welding.
- 5. Valve should be checked for identification purpose and ensure that characteristics of valve matches to those specified for piping specifications, for the line where that is to be mounted. Nameplate instructions will give the necessary information.







Introduction

The 3 piece design allows for the center part of the valve containing the ball, stem & seats to be easily removed from the pipeline. This facilitates efficient cleaning of deposited sediments, replacement of seats and gland packings, polishing out of small scratches on the ball, all this without removing the pipes from the valve body. The design concept of a three piece valve is for it to be repairable.

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⊗ DKV-16

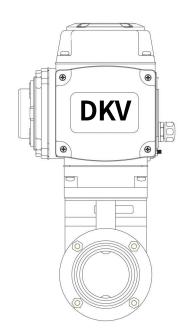
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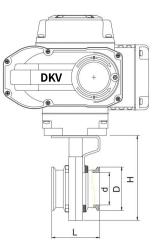
	Body	Valve components			
Nominal Size	DN15~DN100	Seat Material	PTFE:-30℃~180℃ PPL: -30℃ ~ 250℃		
Body Material	SS304, SS316, SS316L	Disc Material	SS304, SS316, SS316L		
Connection Type	Clamp, Welding	Stem Material	SS304,		
Pressure Rating	PN1.6MPa	Design Standard	ISO, DIN, IDF, SMS, 3A		
Structure type	Midline Structure	Applicable Medium	Food, Medicine, Packaging Machinery, Filling Machinery And Other Health Conditions Using Level.		

Qutine Size drawing

			UNIT: mm			
	Body	Valve components				
Nominal Size	DN15~DN100	Seat Material	PTFE: -30°C ~180°C PPL: -30°C ~250°C			
Body Material	SS304, SS316, SS316L	Disc Material	SS304, SS316, SS316L			
Connection Type	Clamp, Welding	Stem Material	SS304,			
Pressure Rating	PN1.6MPa	Design Standard	ISO、DIN、IDF、SMS、3A			
Structure type	Midline Structure	Applicable Medium	Food, Medicine, Packaging Machinery, Filling Machinery And Other Health Conditions Using Level.			

- 1. Verify that the valve breakaway torque is less than the rated output torque of the actuator.
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Main Functions and Key Features

- 1.Body: body material is hard aluminum alloy, which is treated by hard anodic oxdization and coated by Polyester powder, so that it has great corro-sion resistance and protection classisIP67.
- 2.Motor: fully enclosed cage type motor is small in size and inertia, large in torque. Insulation class is F grade which can prevent motor over-heating;
- 3.Manual Override: small handle is reliable, energy-saving. It can be used for manual operation when electricity is off; In automatic operation. it can be fixed inside the clip for easy operation;
- 4.Indicator: indicator is assembled on center axis, valve position can be ob-served, Outside mirror design facilitates position observation and prevents water dropS accumulation;
- 5.Enclosure: high sealing performance, standard protection class is IP67;
- 6.Limit Switches: mechanical and electronic position limit switches. Mechani-ca stop Iscrew can be adjustable; Electronic limit switches can be controlled by cam. Position can be set easily and accurately by simply adjusting the cam without any influence by handle;
- 7.Self Lock: accurate turbo-worm structure can output large torque with high efficiency and little noise(Max.50 decibel). Service life is quite long. Its self lock function can stop reverse rotation. Drive part is stable and reliable with-out additional lubrication;
- 8. Captive Bolt: bolts won't fall off when cover is disassembled:
- 9.Application: bottom connection complies with ISO5211/DIN3337 Standard. Star square hole is easy for square valve stem linear or 45°rotation applica-tion;Both vertical and horizontal assemble are available;

10.Diagram: control diagram complies with single phase or three phase wiring standard, reasonable wiring diagram and connection terminal can meet requirement of other optional functions.

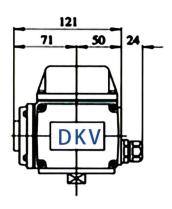
Manual Override

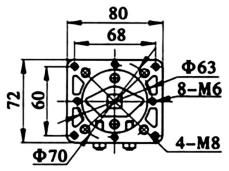
ON/OFF Type

Regulation Type

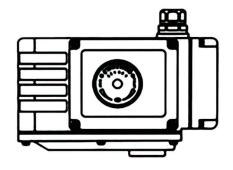
Intelligent Type



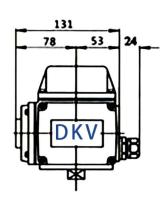


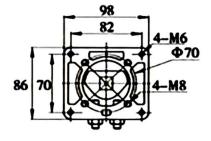


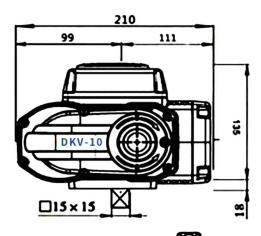
178 88 90 DKV-05

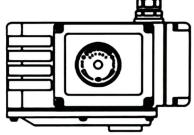


DKV-10/16



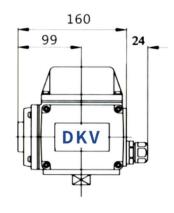


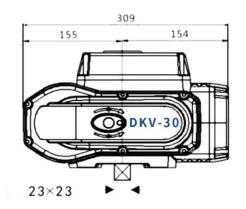


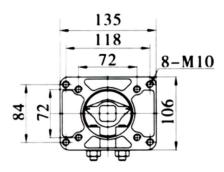


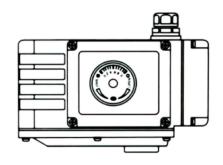


DKV-30/60

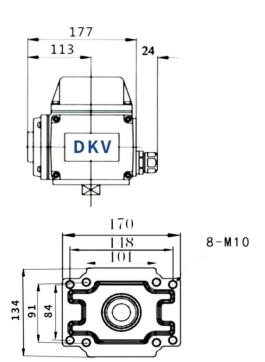


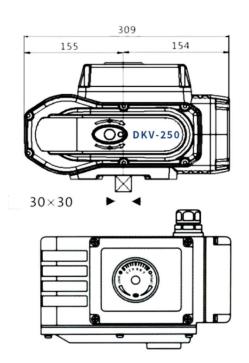






DKV-125/250/400







ON/OFF Type

Performance Model	05	10	16	30	60	125	250	400
Torque Output	50Nm	100Nm	160Nm	300Nm	600Nm	1250Nm	2500Nm	4000Nm
90° Cyle Time	20S/60S		15S/20S/60)S	30S/60S	90\$	90S	90S
Angle of Rotation	0-90°	0-90°	0-90°	0-90°	0-90°	0-90°	0-90°	0-90°
AV220V Drive Motor	0.23A	0.35A	0.40A	0.45A	0.60A	1.03A	1.85A	2.7A
Angle of Rotation	50W	75W	80W	100W	130W	210W	285W	360W
Product Weight	3KG	5KG	5.5KG	8KG	8.5KG	15KG	15.5KG	16KG
Voltage Options			AC110V	AC220V,AC	380V,DC24\	/,AC24V		
Insulation Resistance		DC2	24V:100MΩ,	/250V;AC11	0/220V/380	V:100MΩ/5	00V	
Withstand Voltage		DC24	V:500V;AC1	10/220V:15	00V;AC380	V:1800V 1M	inute	
Protection class				IP	65			
Installation Angle	Sanitai	v pipe size	and thickne		Ny Idence table	a		
Elextrial Connection					rs, Electric		,Signal Wir	e
Ambient Temp				-30°C t	o +60°C			
Control Circuit	B: ONOFF C: ON/OFF D: ON/OFF E: Regulati Control Cir G: AC380V	A: ON/OFF Type with Light Indicator Signal Feedback B: ONOFF Type with Passive Contact Signal Feedback C: ON/OFF Type with Resistance Potentiometer Signal Feedback D: ON/OFF Type with Resistance Potentiometer and Neutral Position Signal Feedback E: Regulation Type with Servo Control Module F:DC24V/ DC12V Direct ON/OFF Type Control Circuit G: AC380V Three-Phase Power Supply with Passive Signal Feedback H: AC380V Three-Phase Power Supply with Resistance Potentiometer Signal						
Optional Function	Over	Torque Pro	otectors, De	humidify H	eater, Stair	ıless Steel (Coupling &	Yoke

Note: 1. The power and current of the above actuators are measured by standard AC220V, which will be biased due to voltage instability in actual use. Other AC/DC voltage power and current are converted by 10% according to this table. 2. Output Torque: torque deviation of 10%

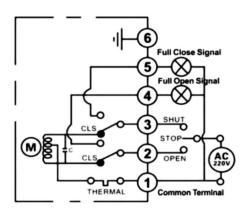
Regulation Type

					-						
Model Performance	05	10	16	30	60	126	250	400			
Torque Output	50Nm	100Nm	160m	300Nm	600Nm	1250Nm	2500Nm	4000Nm			
90°CycleTime	20S	15S/30S	15S/30S	15S/30S	30S	100S	100S	1005			
Angle of Rotation	0-90°	0-90°	0-90°	0-90°	0-90°	0-90°	0-90°	0-90°			
Working Current	0.23A	0.35A	0.40A	0.45A	0.60A	1.03A	1.85A	2.7A			
Drive Motor	50W	75W	80W	100W	130W	210W	285W	360W			
Product Weight	3KG	5KG	5.5KG	8KG	8.5KG	15KG	15.5KG	16KG			
Voltage Options		AC110V,AC220V,AC380V,DC24V,AC24V									
Input Signal				4-20	mA 1-5V 0)-10V					
Output Signal				4-20n	nA 1-5V 0	-10V					
Tolerance					±0.5%						
Return Difference					<0.3%						
Dead Zone				0.	1% to 1.6°	%					
Damping Characteristics		0									
Mechanical Repeatability Error					0%						

Note:

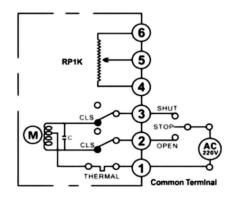
90°Cycle Time: travel from closed position to open position or vice versa Duty Cycle for 24VAC will be approximately 20%

Note:1.The power and current of the above actuators are measured by standardAC220V, which willbe biased due to voltage instabiltyin actual use.OtherAC/DC voltage power and current are converted by 10% according to this table. 2. Output Torque: torque deviation of 10%



A: ON/OFF Type with Light Indicator Signal Feedback

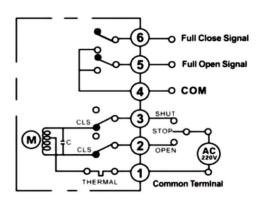
Function: Finish open or close operations by the circuit, and the actuator outputs a signal of active position (full opening, full closing)



C: ON/OFF Type with Resistance Potentiometer Signal Feedback

Function:Control the open angle of valves by circuit, and the actuator outputs the resistance signal corresponding to the position of switch

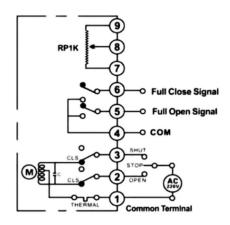
Structure: with 500Ω or 1000Ω potentiomete



B: ON/OFF Type with Passive Contact Signal Feedback

Function: Finish open or close operations by the circuit, and the actuator outputs a set signal of passive position (full opening, full closing)

Structure: with two neutral positions switches



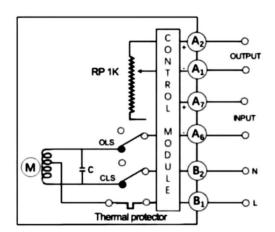
D: ON/OFF Type with Resistance Potentiometer and Neutral Position Signal Feedback

Function: control the open angle of valves by circuit, and the actuator outputs the resistance signal corresponding to the position of open position, at the same time, outputting a set signal of passive position

Structure: both potentiometer style and neutral positions switch style

Caution:

Can't connect one actuator parallel with other ones, in other words, can't use the same control ler contact points to control two and above actuators, otherwise it will cost out of control, motor overheating, product damage and shorter service life.



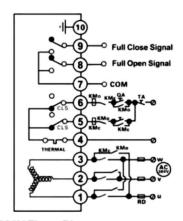
E: Regulation Type with Servo Control Module

Function: Modulating, input & output

DC4-20mA, 1-5VDC, 0-10VDC

Structure: With servo control module and

1000Ω potentiometer

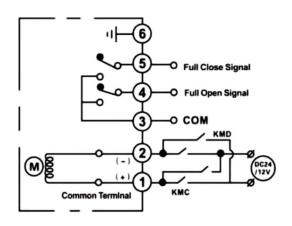


G: AC380V Three-Phase Power Supply with Passive Signal Feedback

Function: The external circuit make positive and negative conversion of DC power to open or close, and the actuator outputs a set signal of passive position (full opening, full closing)

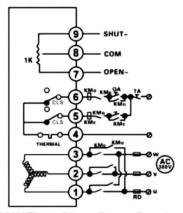
Notes:

Please kindly note if the switch position is correct when the three phase electric actuator is being adjusted, if it's opposite direction, then make 2 of power lines exchange each other



F: DC24V/ DC12V Direct ON-OFF Type

Function: The external circuit make positive and negative conversion of DC power to open or close, and the actuator outputs a set signal of passive position (full opening, full closing)



H: AC380V Three-Phase Power Supply with Resistance Potentiometer Signal Feedback

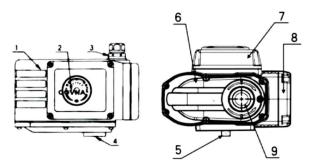
Function: The external circuit make positive and negative conversion of DC power to open or close, and the actuator outputs a set signal of passive position (full opening, full closing)

Notes:

Please kindly note if the switch position is correct when the three phase electric actuator is being adjusted, if it's opposite direction, then make 2 of power lines exchange each other

Caution:

Can't connect one actuator parallel with other ones, in other words, can't use the same control ler contact points to control two and above actuators, otherwise it will cost out of control, motor overheating, product damage and shorter service life.



Construction						
1	Shell	4	Rubber cap	7	Electric cover	
2	Position indicator	5	Output shaft	8	Terminal box	
3	Inlet wire lock	6	Gear box cover	9	Manual override	

The actuator are fully debugged before they go out, if they don't meet your demands because of the valve body, the coupling in actual installation. Please resume debugging according to following steps:

Assembly the actuator to the valve (refer to Installation)

Discharge the electric cover of actuator and debug as following steps according to the actual state of valve:

- ① Adjustment of limit position switch (refer to Commissioning);
- 2 Adjustment of neural position switch (refer to Commissioning);
- 3 Adjustment of regulation type actuator (only for E style, refer to Commissioning of regulation type actuator);
- ④ Adjustment of mechanical limited location block (refer to Commissioning).

The manual test run

- ① Take off the rubber cap of manual handle hole; inset the hand shank into hole and rotate it clockwise decreased valve opening.
- ②Check whether the limit switch is running or not when the valve is full closing position (sensitive switch makingcrack sound when it is running), then turn the adjusting screw a half turn to check if the screw could touch the mechanical limited location block.
- ③ Turn hand shank anticlockwise to increase valve opening, check the situation of limit switch and mechanicallimit location block the same method, make trial turn to see whether they are all ight.

The electric test run

- 1) Take offterminal box, wiring correctly according to wiring diagram
- ② Separately turn on the power on clockwise and anticlockwise and see whether the actuator and the valve are working correctly.) The direction of shut point (clockwise) show close, the direction of open point (anticlockwise) show open.



1. Installation environment

The product can be installed indoor and outdoor.

product is non-explosion-proof production, and the installation must be avoided being in flammable or explosive environment etc.

The actuator should be in protection box in the environment of long-term with the splash of rain, material and direct sunlight.

Please reserve space for controller, manual operation.

The surrounding environment temperature should be in -30°C~+60°CC

2. Temperature of working medium

When matching with the valve, the actuator body's temperature will a bit rise if medium temperature happen heat transfer.

If the temperature of medium is high, the bracket has the function of reducing heat conduction.

Please select the standard bracket if temperature of working medium below 60°C.

Please select the standard bracket when temperature of working medium above 60°C.

3.Installed on the valve body (Figure 3)

Manually operate the actuator to drive the valve, confirm it does not

have abnormal situation. Turn the valve in full closed position.

Assemble the bracket to the valve body. • Set one end of couplings on valve spindle.

Turn the electric actuator to full closing position, and insert output-input shaft into the square holes of couplings.

Share into the square notes of couplings.

Set the screw between the electric actuator and bracket.

Turn actuator by hand shank, confirm that it moves translation, no eccentric, no skew and no overrun.

4. Cable installation

Install wire tubes as shown in Figure 4.

The outside diameter of wire tubes should beø9-ø11.

Take measures to proof water.

To prevent actuator from flowing into wire tubes water, the actuation position should higher than wire tubes position.

When installing wire, the outside diameter of wire should be 9-e11.

As figure 5, in case the water flow into actuator interior from line locking, all wire that are not allowed to be used.

The signal wire should be shielded wire in principle, don't parallel it to power wire.

5. Special tips

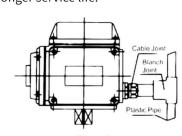
Caution: can't connect one actuator parallel with one another, in other words, can't use the same controller contact point to control more than one actuator, otherwise it will cause out of control, motor overheating, product damage, shorter service life.

If the actuator is installed outdoor, we suggest equipping other protective cover to proof water, stabilize mechanical property, make a longer service life.

6.Power voltage:220VAC 50Hz/60Hz

7. Guard line options for witch of cutting-off winding

Ltem	Guard Line	Motor Power W/F
05	3A	10
10/16	5A	25,30
30/60	7A	40,90
125/250/400	10A	100,120,140



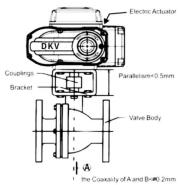
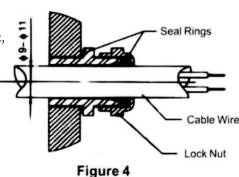


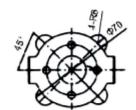
Figure 3

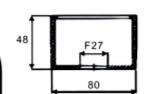


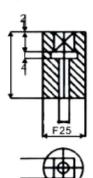
Figure



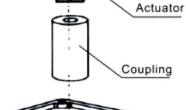
Z type bracket and couplings (match with 05)

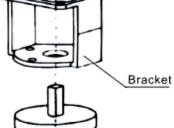


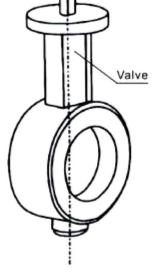




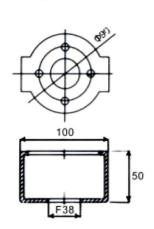
S type bracket and couplings (match with 10/16)

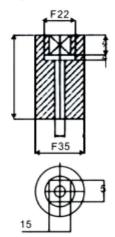






Assembly Drawing





M type bracket and couplings (match with 10/16)

