

In good faith to build the backbone Using quality molded glory

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KINKO-FLUID EQUIPMENT CO.,LTD



Kinko KINKO-FLUID EQUIPMENT CO.,LTD

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PROFESSIONAL PRODUCTION OF INTELLIGENT
CONTROL ACCESSORIES

www.kinko-fluid.com

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ABOUT US

“KINKO Fluid Equipment Co., Ltd” is a professional fluid equipment enterprise that, Manufacture various kinds of pneumatic actuators, pneumatic butterfly valves, pneumatic ball valves, electric actuator, electric butterfly valves, electric ball valves, electric control valve, pneumatic control valve, pneumatic angle seat valve, manual butterfly valve, manual ball valve, Gear box, limit switch box, positioner.....

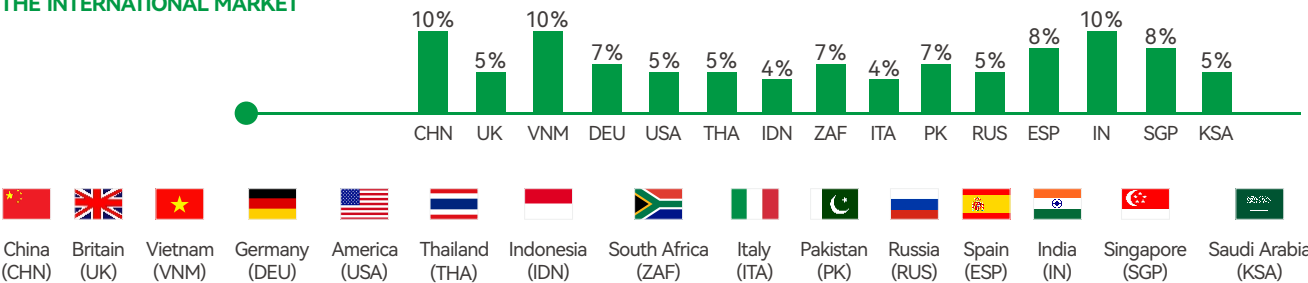
The company has international advanced assembly line, precision CNC machining centers as well as perfect testing equipment, and in strict accordance with ISO9001 international quality standard system of organizing production, testing, sales and service, to ensure product quality, product by ISO, DIN, 3A, IDF, SYS, JIS and GB standard ,the quality of full compliance with FDA/GMP requirements. Companies always try to improve and innovation management method and production management procedures, introduction of international advanced technology and equipment, improve product quality and after-sales service.

We do for the user “consulting, design, selection, installation”, to solve all kinds of control trouble, adhering to the "quality first, customer first" corporate philosophy, the pursuit of the strive to high quality, the pursuit of efficient management, to seek the goal of science and technology development, Creating the "KINKO" international brand, always strive to win the trust of customers.

“KINKO” People warmly welcome customers to visit our company ! Establish a long-term relationship..



THE INTERNATIONAL MARKET



ENTERPRISE QUALIFICATION

Kinko
We are committed to creating excellent
and superior product quality



APPLICATION AREA

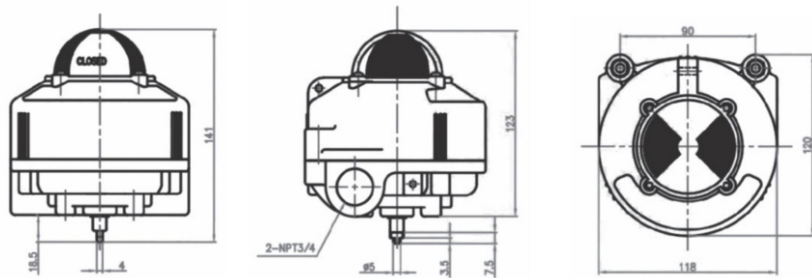
The product is widely used in

- Petroleum
- Chemical industry
- Natural gas
- Light industry
- Power
- Pharmacy
- Printing and dyeing
- Metallurgy
- Architectural engineering
- Refrigeration
- Water supply
- New energy
- Heating supply,etc



APL510 SERIES

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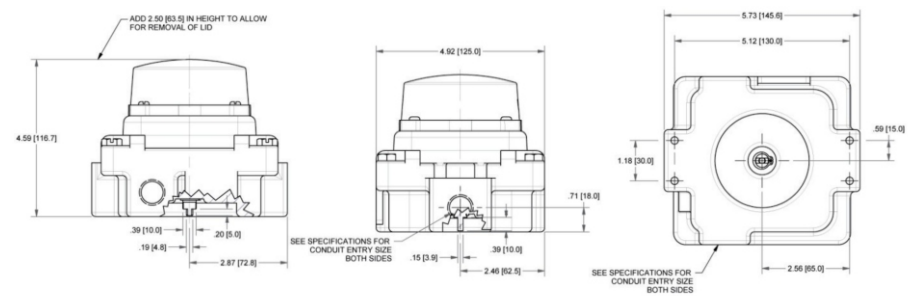


Technical Parameters

Item/Model	APL-510 Series Valve Limit Switch Box	
Housing Material	Die-Casting Aluminum or 316 Stainless Steel Optional	
Housing Paintcoat	Material:Polyester Powder Coating	
	Color:Customizable Black,Blue,Green,Yellow,Red,Silver,etc.	
Switch Specification	Mechanical Switch (SPDT)×2	5A 250VAC:Ordinary
		16A 125VAC/250VAC:Omron,Honeywell,etc.
		0.6A 125VDC:Ordinary,Omron,Honeywell,etc.
		10A 30VDC:Ordinary,Omron,Honeywell,etc.
Switch Specification	Proximity Switch ×2	≤150mA 24VDC:Ordinary
		≤150mA 30VDC:Pepperl+FuchsNBB3,etc.
		≤150mA 8VDC: Intrinsically Safe Ordinary, Intrinsically Safe Pepperl+fuchsNJ2,etc.
Terminal Blocks	8 points	
Ambient Temperature	Common type -20℃ to+80℃,Customizable low temperature type.	
Weather Proof Grade	IP66	
Explosion Proof Grade	EXDIICT6,EXiaCT4,EXiaIICT6	
Mounting Bracket	Optional Material:Carbon Steel or 304 Stainless Steel Optional	
	Optional Model:Refer to Mounting Bracket Selection Table	
Fastener	Carbon Steel or 304 Stainless Steel Optional	
Indicator Lid	Flat Lid,Dome Lid	
Position Indication Color	Close:Red,Open:Yellow	
	Close:Red,Open:Green	
Cable Entry	Qty:2	
	Specifications:G34,NPT 1/2,NPT 3/4,M20	
Position Transmitter	4 to 20mA,with 24VDC Supply	
Single Net Weight	Die-Casting Aluminum:1.30 Kgs,316 Stainless Steel:3.40 Kgs	
Packing Specifications	1Pcs/Box,16 Pcs/Carton	

TPX410 SERIES

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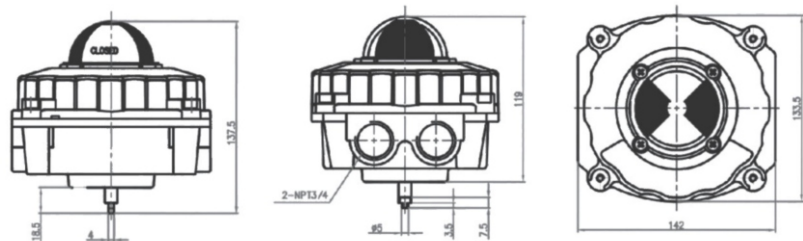


Technical Parameters

Item/Model	TPX410 Series Valve Limit Switch Box	
Housing Material	Die-Casting Aluminum	
Housing Paintcoat	Material:Polyester Powder Coating	
	Color:Customizable Black,Blue,Green,Yellow,Red,Silver,etc.	
Switch Specification	Mechanical Switch (SPDT)×2	16A 125VAC/250VAC:Honeywell
		0.6A 125VDC:Honeywell
		10A 30VDC:Honeywell
Terminal Blocks	8 points	
Ambient Temperature	Common type -20℃ to+80℃,Customizable low temperature type.	
Weather Proof Grade	IP66	
Explosion Proof Grade	EXDIIBT6	
Mounting Bracket	Optional Material:Carbon Steel or 304 Stainless Steel Optional	
	Optional Model:Refer to Mounting Bracket Selection Table	
Fastener	Carbon Steel or 304 Stainless Steel Optional	
Indicator Lid	Flat Lid	
Position Indication Color	Close:Red,Open:Yellow	
	Close:Red,Open:Green	
Cable Entry	Qty:2	
	Specifications:NPT 12,M20	
Position Transmitter	4 to 20mA,with 24VDC Supply	
Single Net Weight	1.60 Kgs	
Packing Specifications	1 Pcs/Box,12 Pcs/Carton	

ITS300 SERIES

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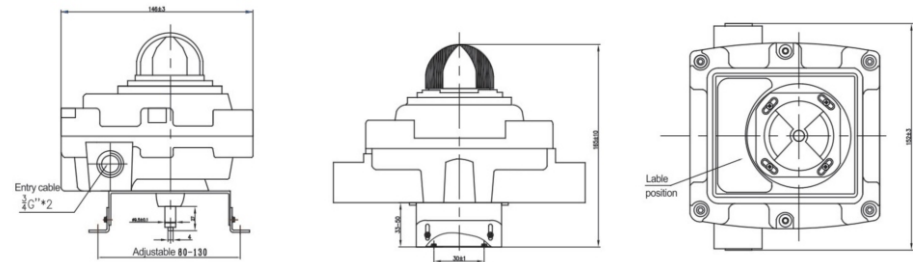


Technical Parameters

Item/Model	ITS300 Series Valve Limit Switch Box	
Housing Material	Die-Casting Aluminum or 304 Stainless Steel Optional	
Housing Paintcoat	Material:Polyester Powder Coating	
	Color:Customizable Black,Blue,Green,Yellow,Red,Silver,etc.	
Switch Specification	Mechanical Switch SPDT×2, or DPDT×2	5A 250VAC:Ordinary
		16A 125VAC/250VAC:Omron,Honeywell,etc.
		0.6A 125VDC:Ordinary,Omron,Honeywell,etc.
		10A 30VDC:Ordinary,Omron,Honeywell,etc.
	Proximity Switch ×2	≤150mA 24VDC:Ordinary
		≤150mA 30VDC:Pepperl+FuchsNBB3,etc.
		≤150mA 8VDC: Intrinsically Safe Ordinary, Intrinsically Safe Pepperl+fuchsNJ2,etc.
Terminal Blocks	8 points	
Ambient Temperature	Common type -20℃ to+80℃,Customizable low temperature type.	
Weather Proof Grade	IP66	
Explosion Proof Grade	EXDIICT6,EXIallCT4,EXIallCT6	
Mounting Bracket	Optional Material:Carbon Steel or 304 Stainless Steel Optional	
	Optional Model:Refer to Mounting Bracket Selection Table	
Fastener	Carbon Steel or 304 Stainless Steel Optional	
Indicator Lid	Flat Lid,Dome Lid	
Position Indication Color	Close:Red,Open:Yellow	
	Close:Red,Open:Green	
Cable Entry	Qty:2 to 4	
	Specifications:G34,NPT 1/2,NPT 3/4,M20	
Position Transmitter	4 to 20mA,with 24VDC Supply	
Single Net Weight	Die-Casting Aluminum:1.550 Kgs,304 Stainless Steel Optional:4.0kgs	
Packing Specifications	1Pcs/Box,16 Pcs/Carton	

APL410 SERIES

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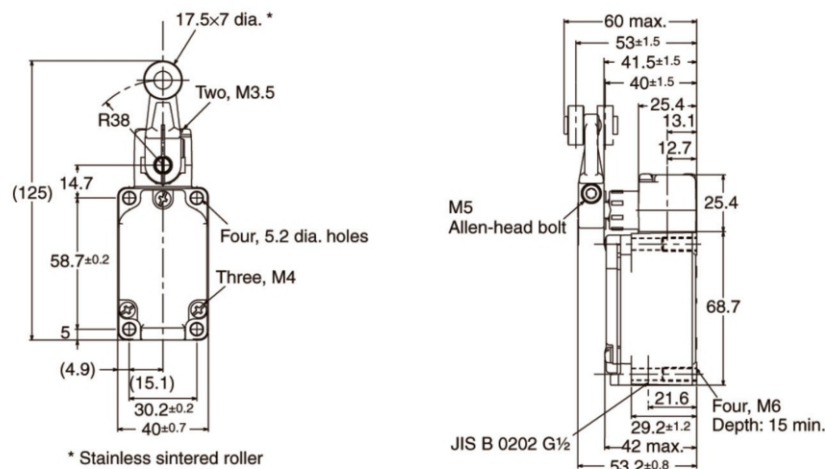


Technical Parameters

Item/Model	APL410 Series Valve Limit Switch Box	
Housing Material	Die-Casting Aluminum	
Housing Paintcoat	Material:Polyester Powder Coating	
	Color:Customizable Black,Blue,Green,Yellow,Red,Silver,etc.	
Switch Specification	Mechanical Switch (SPDT)×2	5A 250VAC:Ordinary
		16A 125VAC/250VAC:Omron,Honeywell,etc.
		0.6A 125VDC:Ordinary,Omron,Honeywell,etc.
		10A 30VDC:Ordinary,Omron,Honeywell,etc.
	Proximity Switch ×2	≤150mA 24VDC:Ordinary
		≤150mA 30VDC:Pepperl+FuchsNBB3,etc.
		≤150mA 8VDC: Intrinsically Safe Ordinary, Intrinsically Safe Pepperl+fuchsNJ2,etc.
Terminal Blocks	8 points	
Ambient Temperature	Common type -20℃ to+80℃,Customizable low temperature type.	
Weather Proof Grade	IP66	
Explosion Proof Grade	EXDIICT6,EXIallCT4,EXIallCT6	
Mounting Bracket	Optional Material:Carbon Steel or 304 Stainless Steel Optional	
	Optional Model:Refer to Mounting Bracket Selection Table	
Fastener	Carbon Steel or 304 Stainless Steel Optional	
Indicator Lid	Dome Lid	
Position Indication Color	Close:Red,Open:Yellow	
	Close:Red,Open:Green	
Cable Entry	Qty:2	
	Specifications:G3/4,NPT 1/2,NPT3/4,M20	
Position Transmitter	4 to 20mA,with 24VDC Supply	
Single Net Weight	1.45 Kgs	
Packing Specifications	1Pcs/Box,12Pcs/Carton	

WLF6G2 SERIES

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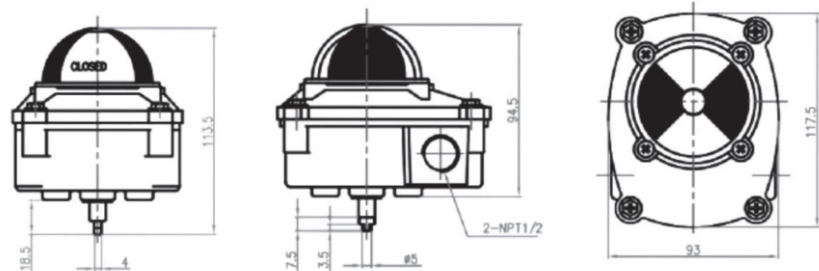


Technical Parameters

Item/Model	WLF6G2 Series Straight Travel Limit Switch
Housing Material	Die-Casting Aluminum
Housing Color	Blue
Rating	VAC250V 2A Resistive load;VAC250V 0.5ALamp Load; VDC125V 1AResistive load;VDC30V 1ALamp Load.
Ambient Temperature	Common type-20°Cto+80°C,Customizable low temperature type.
Weather Proof Grade	IP65
Explosion Proof Grade	EXDIICT6
Cable Entry	Qty:1 Specifications:NPT 1/2
Single Net Weight	0.39 Kgs
Packing Specifications	100 Pcs/Carton

ITS100 SERIES

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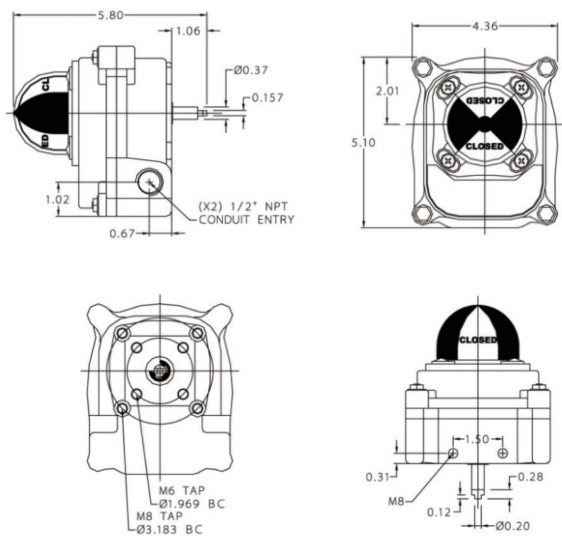


Technical Parameters

Item/Model	ITS100 Series Valve Limit Switch Box	
Housing Material	Die-Casting Aluminum	
Housing Paintcoat	Material:Polyester Powder Coating Color:Customizable Black,Blue,Green,Yellow,Red,Silver,etc.	
Switch Specification	Mechanical Switch (SPDT)×2	5A 250VAC:Ordinary 16A 125VAC/250VAC:Omron,Honeywell,etc. 0.6A 125VDC:Ordinary,Omron,Honeywell,etc. 10A 30VDC:Ordinary,Omron,Honeywell,etc.
	Proximity Switch ×2	≤150mA 24VDC:Ordinary ≤150mA 30VDC:Pepperl+FuchsNBB3,etc. ≤150mA 8VDC: Intrinsically Safe Ordinary, Intrinsically Safe Pepperl+fuchsNJ2,etc.
Terminal Blocks	8 points	
Ambient Temperature	Common type -20°C to+80°C,Customizable low temperature type.	
Weather Proof Grade	IP67	
Explosion Proof Grade	Non-explosion Proof,EXIaIICT4,EXIaIICT6	
Mounting Bracket	Optional Material:Carbon Steel or 304 Stainless Steel Optional Optional Model:Refer to Mounting Bracket Selection Table	
Fastener	Carbon Steel or 304 Stainless Steel Optional	
Indicator Lid	Dome Lid	
Position Indication Color	Close:Red,Open:Yellow Close:Red,Open:Green	
Cable Entry	Qty:2 Specifications:NPT1/2,M20	
Position Transmitter	4 to 20mA,with 24VDC Supply	
Single Net Weight	0.8Kgs	
Packing Specifications	1Pcs/Box,45Pcs/Carton	

APL310 SERIES

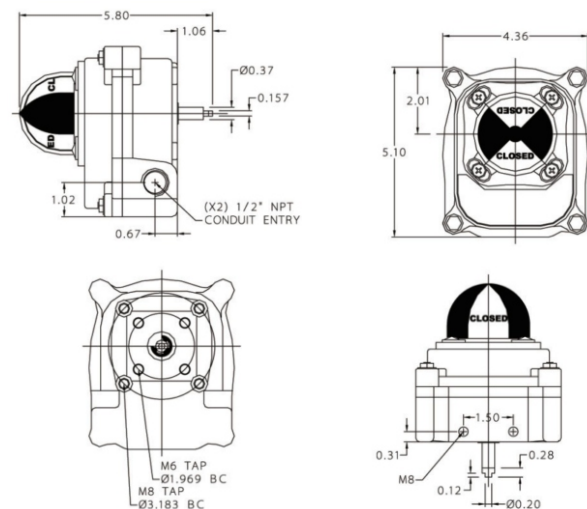
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Technical Parameters		
Item/Model	APL310 Series Valve Limit Switch Box	
Housing Material	Die-Casting Aluminum	
Housing Paintcoat	Material:Polyester Powder Coating	
	Color:Customizable Black,Blue,Green,Yellow,Red,Silver,etc.	
Switch Specification	Mechanical Switch (SPDT)×2	5A 250VAC:Ordinary
		16A 125VAC I250VAC:Omron,Honeywell,etc
		0.6A 125VDC:Ordinary,Omron,Honeywell,etc.
		10A 30VDC:Ordinary,Omron,Honeywell,etc.
Terminal Blocks	8 points	
Ambient Temperature	Common type -20℃ to+80℃,Customizable low temperature type.	
Weather Proof Grade	IP67	
Explosion Proof Grade	Non-explosion Proof	
Mounting Bracket	Optional Material:Carbon Steel or 304 Stainless Steel Optional	
	Optional Model:Refer to Mounting Bracket Selection Table	
Fastener	Carbon Steel or 304 Stainless Steel Optional	
Indicator Lid	Flat Lid,Dome Lid	
Position Indication Color	Close:Red,Open:Yellow	
	Close:Red,Open:Green	
Cable Entry	Qty:2	
	Specifications:G1/2	
Position Transmitter	4 to 20mA,with 24VDC Supply	
Single Net Weight	1.10 Kgs	
Packing Specifications	1Pcs/Box,16 Pcs/Carton or 24 Pcs/Carton	

APL314 SERIES

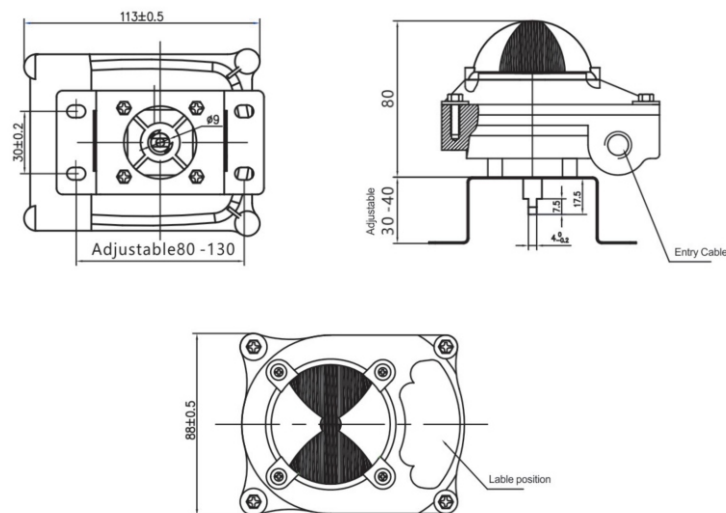
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Technical Parameters		
Item/Model	APL314 Series Valve Limit Switch Box	
Housing Material	Die-Casting Aluminum	
Housing Paintcoat	Material:Polyester Powder Coating	
	Color:Customizable Black,Blue,Green,Yellow,Red,Silver,etc.	
Switch Specification	Mechanical Switch (SPDT)×2	5A 250VAC:Ordinary
		16A 125VAC/250VAC:Omron,Honeywell,etc
		0.6A 125VDC:Ordinary,Omron,Honeywell,etc.
		10A 30VDC:Ordinary,Omron,Honeywell,etc.
Terminal Blocks	8 points	
Ambient Temperature	Common type -20℃ to+80℃,Customizable low temperature type.	
Weather Proof Grade	IP67	
Explosion Proof Grade	Non-explosion Proof	
Mounting Bracket	4 Stainless Steel Optional	
	Optional Model:Refer to Mounting Bracket Selection Table	
Fastener	Carbon Steel or 304 Stainless Steel Optional	
Indicator Lid	Dome Lid	
Position Indication Color	Close:Red,Open:Yellow	
	Close:Red,Open:Green	
Cable Entry	Qty:2	
	Specifications:G1/2	
Position Transmitter	4 to 20mA,with 24VDC Supply	
Single Net Weight	1.15Kgs	
Packing Specifications	1Pcs/Box,16 Pcs/Carton or 24 Pcs/Carton	

APL210 SERIES

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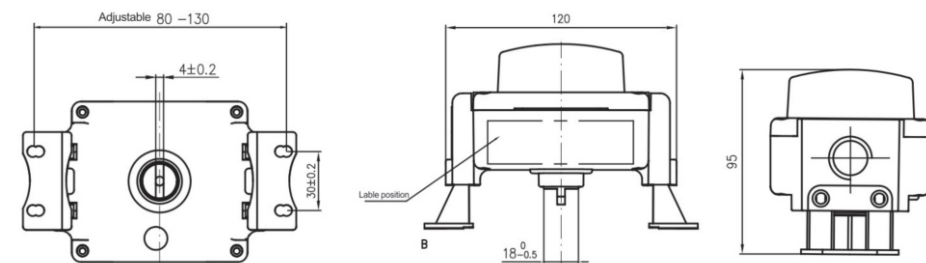


Technical Parameters

Item/Model	APL210 Series Valve Limit Switch Box	
Housing Material	Die-Casting Aluminum	
Housing Paintcoat	Material:Polyester Powder Coating	
	Color:Customizable Black,Blue,Green,Yellow,Red,Silver,etc.	
Switch Specification	Mechanical Switch (SPDT)×2	5A 250VAC:Ordinary
		16A 125VAC/250VAC:Omron,Honeywell,etc.
		0.6A 125VDC:Ordinary,Omron,Honeywell,etc.
		10A 30VDC:Ordinary,Omron,Honeywell,etc.
Switch Specification	Proximity Switch ×2	≤150mA 24VDC:Ordinary
		≤150mA 30VDC:Pepperl+FuchsNBB3,etc.
		≤150mA 8VDC: Intrinsically Safe Ordinary, Intrinsically Safe Pepperl+fuchsNJ2,etc.
Terminal Blocks	8 points	
Ambient Temperature	Common type -20℃ to+80℃,Customizable low temperature type.	
Weather Proof Grade	IP67	
Explosion Proof Grade	Non-explosion Proof,EXiallCT4,EXiallCT6	
Mounting Bracket	Optional Material:Carbon Steel or 304 Stainless Steel Optional	
	Optional Model:Refer to Mounting Bracket Selection Table	
Fastener	Carbon Steel or 304 Stainless Steel Optional	
Indicator Lid	Flat Lid,Dome Lid	
Position Indication Color	Close:Red,Open:Yellow	
	Close:Red,Open:Green	
Cable Entry	Qty:2	
	Specifications:G1/2,NPT 1/2,M20	
Position Transmitter	4 to 20mA,with 24VDC Supply	
Single Net Weight	0.570 Kgs	
Packing Specifications	1Pcs/Box,50 Pcs/Carton	

APL230 SERIES

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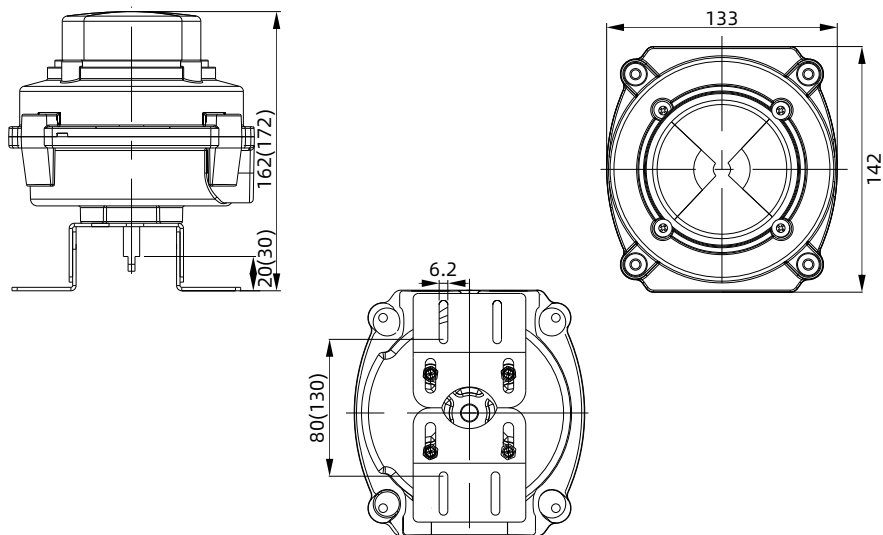


Technical Parameters

Item/Model	APL230 Series Valve Limit Switch boxes	
Housing Material	Polyamides Bottom with Polycarbonate Top Cover	
Housing Color	Black Bottom with Transparent Cover	
Switch Specification	Mechanical Switch (SPDT)×2	5A 250VAC:Ordinary
		16A 125VAC/250VAC:Omron,Honeywell,etc
		0.6A 125VDC:Ordinary,Omron,Honeywell,etc.
		10A 30VDC:Ordinary,Omron,Honeywell,etc.
Terminal Blocks	8 points	
Ambient Temperature	Common type -20℃ to+80℃,Customizable low temperature type.	
Weather Proof Grade	IP67	
Explosion Proof Grade	Non-explosion Proof	
Mounting Bracket	Optiona Material:Polyamides or Aluminum	
	Optional Model:Refer to Mounting Bracket Selection Table	
Fastener	Optional:Carbon Steel,304 Stainless Steel	
Indicator Lid	Flat Lid	
Position Indication Color	Close:Red,Open:Yellow	
	Close:Red,Open:Green	
Cable Entry	Qty:1 or2	
	Specifications:NPT 1/2	
Position Transmitter	4 to 20mA,with 24VDC Supply	
Single Net Weight	0.25 Kgs	
Packing Specifications	1Pcs/Box,40 Pcs/Carton	

APL300-B-SS SERIES

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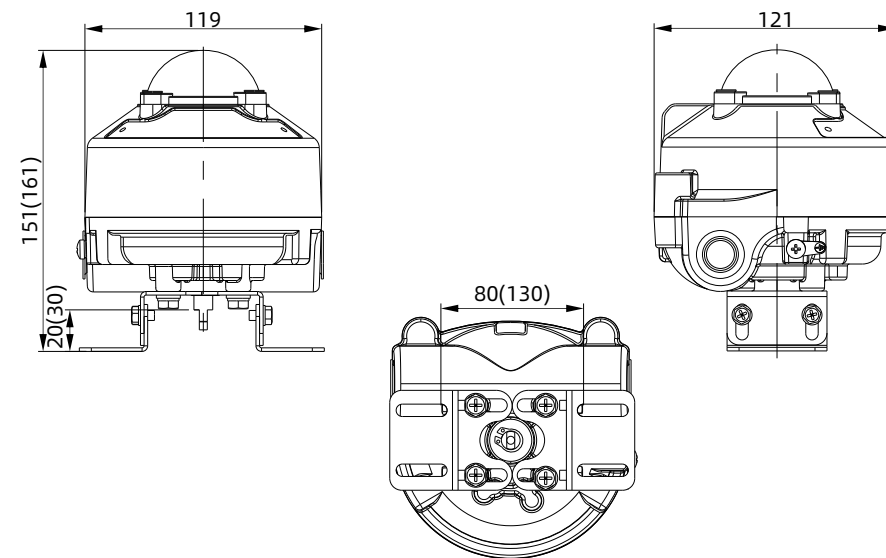


Technical Parameters

Material	Standard: Stainless Steel 316	
Enclosure	Standard: Weather-proof enclosure IP66/IP68	
Travel angle	0~90°	
Switches	Mechanical switch (SPDT)*2 (DPDT)*2	5A 250VAC: Ordinary
		16A 125VAC/250VAC: Omron, Honeywell, etc
		10A 30VDC: Ordinary, Omron, Honeywell, etc
	Proximity switch*2	≤100mA 12~24VDC: Ordinary ≤100mA 5~60VDC: P&F NBB3, etc 8.2VDC Intrinsically safe: Ordinary Intrinsically safe P&F NJ2, etc
Ambient temperature	Standard: -20~60°C Option: -40~60°C, -60~60°C	
Cable entry	2(or 3)XNPT1/2", NPT3/4", G1/2", M20	
Terminal strips	Standard: 8 points Option: 12 points	
Shaft	Standard: Stainless Steel 316	
Fasten screw	Standard: Stainless Steel 316	
Indicator	Flat lid 2-way: green (open)/ red (close)	
Weight	1.25 kg (without bracket)	
Bracket	K-L02D, K-L07D, K-L06D	
Coating	Black, Red, Yellow, Blue, Silver, etc	
Packaging specification	1 pc/box, 8 pcs/carton	

APL500-SS SERIES

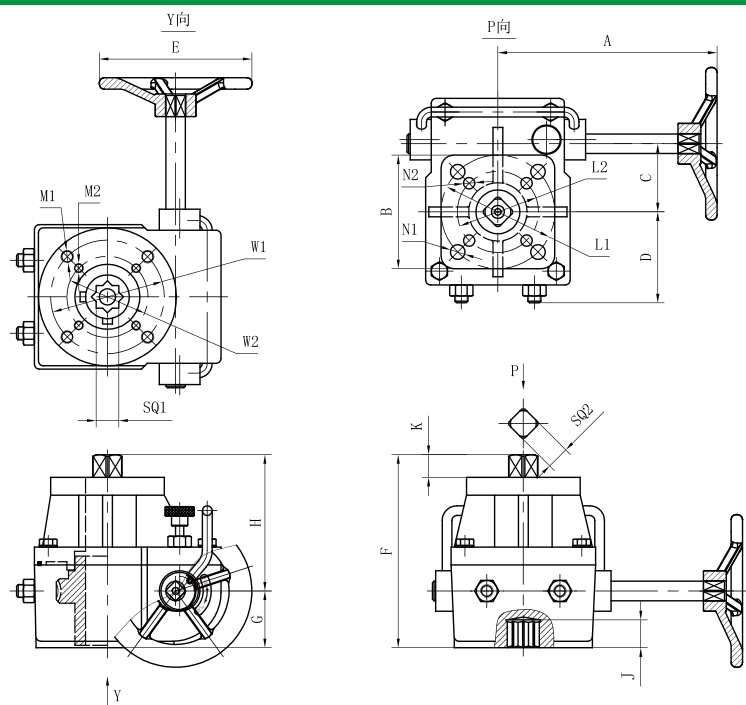
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Technical Parameters

Material	Standard: Aluminum alloy	
	Option: Stainless Steel 316	
Enclosure	Standard: Weather-proof enclosure IP66	
Travel angle	0~90°	
Switches	Mechanical switch (SPDT)*2 (SPDT)*4 (DPDT)*2	5A 250VAC: Ordinary
		16A 125VAC/250VAC: Omron, Honeywell, etc
		10A 30VDC: Ordinary, Omron, Honeywell, etc
	Proximity switch*2	≤100mA 12~24VDC: Ordinary ≤100mA 5~60VDC: P&F NBB3, etc 8.2VDC Intrinsically safe: Ordinary Intrinsically safe P&F NJ2, etc
Ambient temperature	Standard: -20~60°C Option: -40~60°C, -60~60°C	
Cable entry	2X NPT1/2", NPT3/4", M20, G3/4	
Terminal strips	Standard: 8 points Option: 12 points	
Shaft	Standard: Stainless Steel 316	
Fasten screw	Standard: Stainless Steel 316	
Indicator lid	Dome lid Flat lid	
Indicator	2-way: yellow (open)/ red (close) 2-way: green (open)/ red (close)	
Weight	Stainless Steel 316: 3.4 kg (without bracket)	
Coating	Black, Red, Yellow, Blue, Silver, etc	
Packaging specification	1 pc/box, 4 pcs/carton	

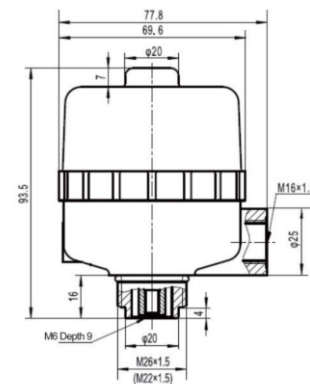
Declutch Override Gear Box



Technical Parameters								
Item	JK-1	JK-2	JK-3	JK-4	JK-5	JK-6	JK-7	JK-8
A	150	180	200	260	310	395	435	440
B	70	93	113	129	163.5	165	235	300
C	44.7	54	65.5	82.5	109	135	170	210
D	60	70	80	105	115	120	160	170
E	ø180	ø200	ø280	ø320	ø400	ø500	ø600	ø600
F	120	132	153	195	215	236	243	252
G	33	39	40	57	54	62	60	65
H	87	93	113	138	161	174	183	187
J	19	21	27	32	43	54	58	58
K	15	19	22	28	38	46	55	55
M1	M8X4	M10X4	M12X4	M16X4	M20X4	M20X4	M16X8	M16X8
M2	M6X4	M8X4	M10X4	M12X4	M16X4	M16X4	-	-
W1	70	102	125	140	165	165	200	254
W2	50	70	102	125	140	140	-	-
SQ1	14	17	22	27	36	46	55	55
N1	ø10X4	ø12X4	ø14X4	ø18X4	ø22X4	ø22X4	ø18X8	ø18X8
N2	ø8X4	ø10X4	ø12X4	ø16X4	ø18X4	-	-	-
L1	70	102	125	140	165	165	200	254
L2	50	70	102	125	140	-	-	-
SQ2	14	17	22	27	36	46	55	55

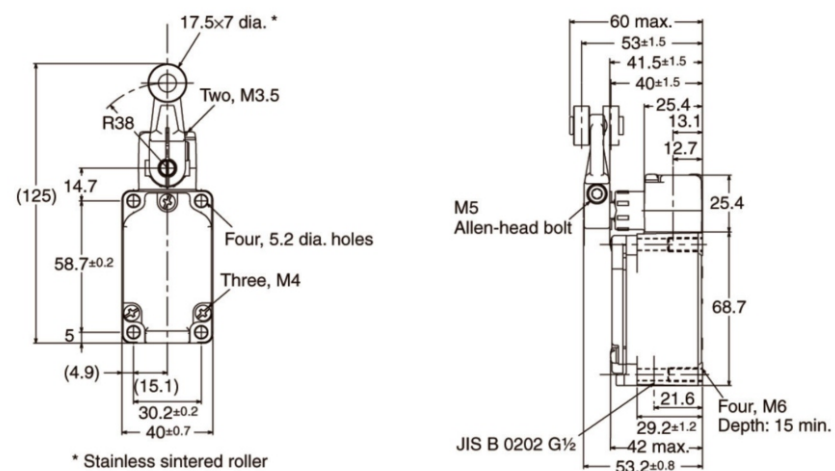
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DS414 SERIES

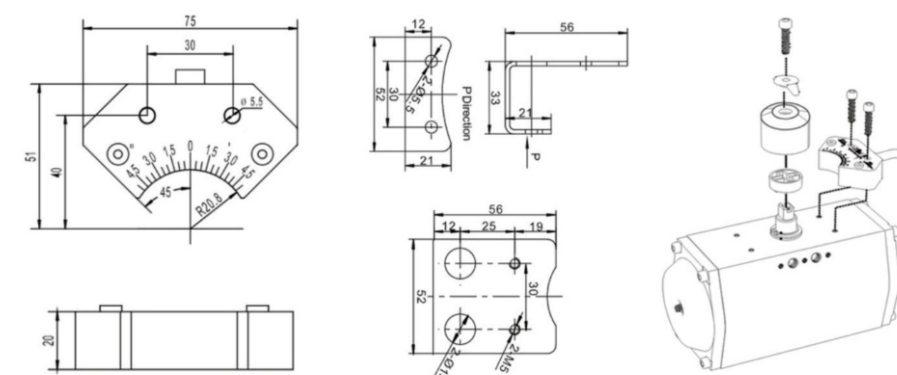


Technical Parameters		
Item/Model	DS414 Series Straight Travel Limit Switch For Angle Seat Valve	
Housing Material	Polycarbonate	
Housing Color	Transparent	
Switch Specification	Mechanical Switch (SPDT)×2	16A 125VAC/250VAC:Omron,Honeywell,etc.
		0.6A 125VDC:Ordinary,Omron,Honeywell,etc.
		10A 30VDC:Ordinary,Omron,Honeywell,etc.
Terminal Blocks	Proximity Switch ×2	≤150mA 8VDC: Intrinsically Safe Ordinary, Intrinsically Safe Pepperl+fuchsNJ2,etc.
Ambient Temperature	Common type -20℃ to+80℃,Customizable low temperature type.	
Weather Proof Grade	IP67	
Explosion Proof Grade	Non-explosion Proof,EXiallCT6	
Position Indication Light	Close:Red,Open:Green	
Cable Entry	Qty:1	
	Specifications:M16,M20,M22,M26,G 1/4"	
Position Transmitter	4 to 20mA,with 24VDC Supply	
Single Net Weight	0.2Kgs	
Packing Specifications	1Pcs/Box,40 Pcs/Carton	

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Item/Model	WLCA2-2 Series Straight Travel Limit Switch
Housing Material	Polycarbonate
Housing Color	Gray
Switch Specification	10A125VAC/250VAC:Omron
Ambient Temperature	Common type-20°Cto+80°C,Customizable low temperature type.
Weather Proof Grade	IP65
Explosion Proof Grade	Non-explosion Proof
Cable Entry	Qty:1
	Specifications:G1/2
Single Net Weight	0.29 Kgs
Packing Specifications	100 Pcs/Carton



Item/Model	DS515 Series Horseshoe Magnetic Induction Limit Switch
Housing Material	Polypropylene
Switch Type	Magnetic induction
Contact Form	NO(Optional NC)
Output Type	2 Wire(Red,Blue;or Yellow,Black)
Rated Power	1W-10W
Working Voltage	5~240 VAC/VDC
Working Current	0 ~ 300 mA
Switching Frequency	0 ~ 4.8 KHz
Sensor Position	-45°/+45°±10°
Operating Temperature	-40°C~+85°C
Sensing Distance	1 ~ 6mm
Weather Proof Grade	IP67
Explosion Proof Grade	Non-explosion Proof
Single Net Weight	0.14 Kgs
Packing Specifications	200 Pcs/Carton

MOUNTING BRACKET SELECTION GUIDE

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Model	Picture	Material	Size	Applica-tion	Model	Picture	Material	Size	Applica-tion
MBP-001		Carbon Steel or Stainless Steel	W:30 L:80 H:20	DK2XX DS5XX DS6XX	MBP-009		Carbon Steel or Stainless Steel	W:30 L:50 H:30	DK2XX DS5XX DS6XX
MBP-002		Carbon Steel or Stainless Steel	W:30 L:80 H:30	DK2XX DS5XX DS6XX	MBP-010		Carbon Steel or Stainless Steel	W:30 L:50 H:50	DS3XX
MBP-003		Carbon Steel or Stainless Steel	W:30 L:80 H:45	DK2XX DS5XX DS6XX	MBP-011		Carbon Steel or Stainless Steel	W:30 L:80-130 H:40-50	DS3XX
MBP-004		Carbon Steel or Stainless Steel	W:30 L:130 H:40	DK2XX DS5XX DS6XX	MBP-012		Carbon Steel or Stainless Steel	W:30 L:80 H:35-50	DK2XX DS5XX DS6XX DS3XX DS4XX DS4XX-VPX Dk310
MBP-005		Carbon Steel or Stainless Steel	W:30 L:80 H:30-40	DK2XX DS5XX DS6XX	MBP-013		Carbon Steel or Stainless Steel	W:30 L:130 H:35-55	DK2XX DS5XX DS6XX DS4XX DS4XX-VPX Dk310
MBP-006		Carbon Steel or Stainless Steel	W:30 L:130 H:40	DK2XX DS5XX DS6XX	MBP-014		Carbon Steel or Stainless Steel	W:30 L:80-130 H:30-40	DK1XX
MBP-007		Carbon Steel or Stainless Steel	W:30 L:80-130 H:30-40	DK2XX DS5XX DS6XX	MBP-230		Plastic or Aluminum	W:30 L:80 H:20-50	DK230
MBP-008		Carbon Steel or Stainless Steel	W:30 L:80 H:30-40	DK2XX DS5XX DS6XX					

ACCESSORIES

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Mechanical Switches

	Arrangement	Ratings	Service life	Operating frequency
	2-SPDT	5A 250VAC 16A 125VAC/250VAC 0.6A 125VDC 10A 30VDC	Min.1,000,000 operations	120 operations/min
	Arrangement	Ratings	Service life	Operating frequency
	2-DPDT	5A 250VAC 16A 125VAC/250VAC 0.6A 125VDC 10A 30VDC	Min.1,000,000 operations	120 operations/min

Proximity Switches

	Inductive proximity sensor Voltage range:8.2VDC Sensing range:2mm Ambient temperature :-20-60°C		Inductive proximity sensor Voltage range:8.2VDC Sensing range:2mm Ambient temperature:-50-60°C		Inductive proximity sensor Voltage range:100mA5-60VDC Sensing range:2mm Ambient temperature:-20-60°C
	Magnetic sensor Voltage range:500mA 240VAC/DC Sensing range:3mm			Magnetic sensor Voltage range:3A 24VDC Sensing range:5mm	

Indicator lid



ORDERING GUIDE FOR LIMIT SWITCH BOXES

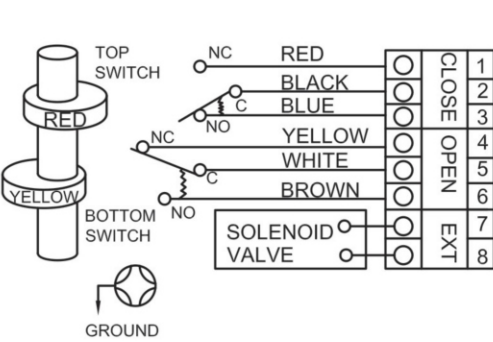
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PRODUCT CIRCUIT DIAGRAM

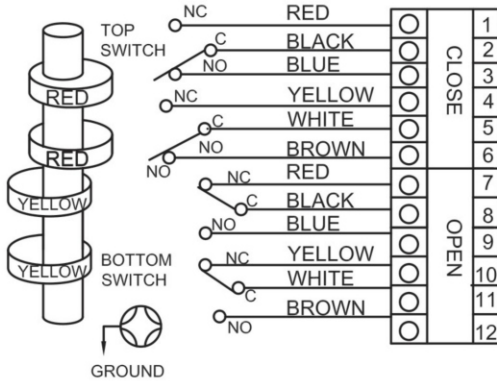
Basic Parameter	
C1	Explosion Proof Grade
DC6	EXDICT6
DB6	EXDIIBT6
AC6	EXIaIICT6
AC4	EXIaIICT4
Non	None Ex-proof
C2	WEATHER PROOF GRADE
P65	IP65
P66	IP66
P67	IP67
C3	Shell Material
AL	Die-casting Aluminium
S4	Stainless Steel 304
S6	Stainless Steel 316
PA	Polyamides
C4	Series
DS500	
DS300	
WLF6G2	
TPX410	
DS410	
APL310	
APL314	
APL210	
APL230	
DS414	
WLCA2-2	
DS515	

Detailed Parameter	
C5	Mechanical Micro Switches
11	2×SPDT
12	3×SPDT
13	4×SPDT
14	2×SPDT (Low Temperature)
15	2×DPDT
16	2×SPDT+Current Feedback (4~20mA DC24V)
17	2×SPDT(Gold Plating)
C5	Inductive Proximity Micro Switches
21	NBB3-V3-Z4(5~60VDC.Sn=3mm.2 Wire N/O.-25°C~85°C)
22	NJ2-V3-N(Exia IIC T6.8VDC.Sn=2mm.2 Wire N/C.-25°C~100°C)
23	NCB2-V3-NO(Exia IIC T6.8VDC.Sn=2mm.2 Wire N/C.-25°C~100°C)
24	ALPS-24(12-24VDC.≤150mA.Sn=2mm.2 Wire N/O.-25°C~85°C)
25	ALPS-24-P(12-24VDC.≤150mA.Sn=2mm.3 Wire N/O.-25°C~85°C)
26	SFB2-V3-W(Exia IIC T4.8.2VDC.Sn=2mm.2 Wire N/C.-25°C~100°C)
20	Customize according to customer requirements
C6	Micro Switches Brand
CHM	Chinese Brand 1:Mechanical Switches(Max.Power 5A/250VAC)
HWM	America Honeywell:Mechanical Switches(Max.Power 5A250VAC)
OMM	Japan Omron:Mechanical Switches(Max.Power 5A/250VAC)
CHP	Chinese Brand 2:Inductive Proximity Switches
PFP	Germany PEPPERL+FUCHS:Inductive Proximity Switches
C7	Mounting Bracket Model
M**	M**refer to the No.of the Mounting Bracket Selection Table
C8	Mounting Bracket Material
S4	SS304
CS	Carbon Steel
AL	Aluminum
PA	Polyamide
C9	Entry Cable
EC1	G1/4"
EC2	G1/2"
EC3	G3/4"
EC4	NPT1/2"
EC5	NPT3/4"
EC6	M20
EC7	M22
EC8	M25
EC9	M26
C10	Window Indicator
WN1	0~90°,Close:Red,Open:Yellow
WN2	0~90°,Close:Red,Open:Green
WT1	T-type
WL1	L-type
WF1	Fully Transparent
WS1	Straight Travel
C11	Indicator Lid
IC1	Flat Lid
IC2	Dome Lid
C12	Shell Color
SC1	Black
SC2	Gray
SC3	Dark Gray
SC4	Light Gray
SC5	Blue-Green
SC6	Sky blue
SC7	Yellow
SC8	Red
SC9	Orange
SC0	Customizable color

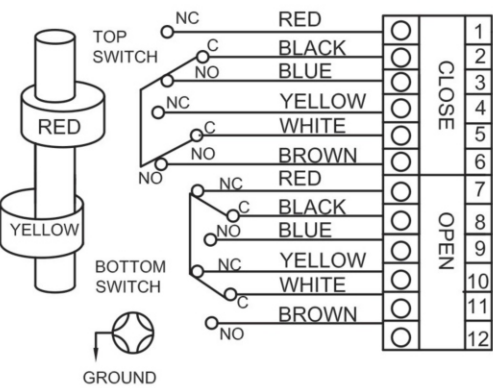
Mechanical Switch (2SPDT)
APL210/ITS100/DS100/APL310/DS300/DS410/DS510



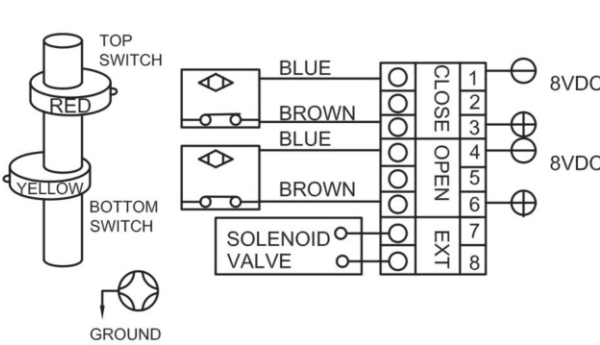
Mechanical Switch (4SPDT)
DS300/APL314/ITS300



Mechanical Switch (2DPDT)
DS300

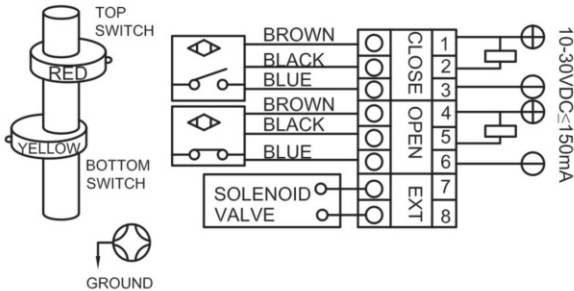


Proximity Switch(2-Wire)
APL220/DS120/DS320/DS420/DS520

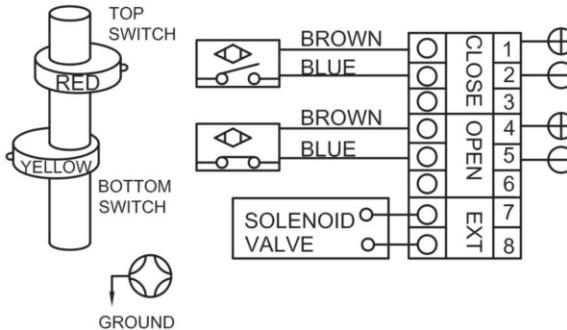
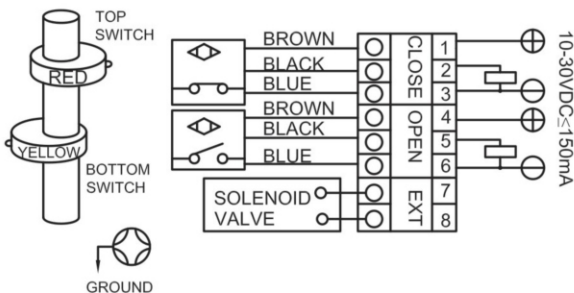
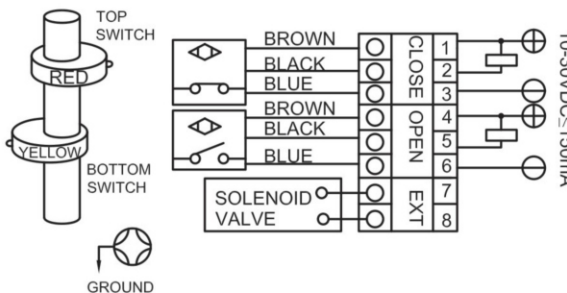
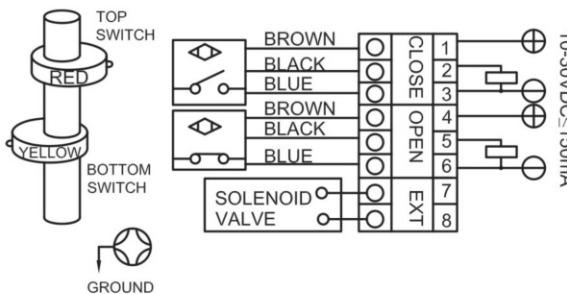


Note:Product Code=(C1-)(C2-)(C3-)C4-C5C6-C7C8-C9-C10-C11-C12

PRODUCT CIRCUIT DIAGRAM

Proximity Switch (3-Wire)NPN NC
APL210/DS100/DS300/DS410/DS500

Proximity Switch (2-Wire)NC
APL210/DS100/DS300/DS410/DS500

Proximity Switch (3-Wires)PNP NO
APL210/DS100/DS300/DS410/DS500Proximity Switch (3-Wire)NPN NO
APL210/DS100/DS300/DS410/DS500Proximity Switch (3-Wires)PNP NC
APL210/DS100/DS300/DS410/DS500

KK900 SERIES POSITIONER



Overview

The KK900 Intelligent Valve Positioner is an intelligent valve positioner based on piezoelectric valve technology. It can receive 4-20mA instructions from the central control room and control the valve position to the specified location. The actuation method can be single-acting (spring return) or double-acting (air open/close). The positioner is a two-wire instrument that obtains power supply voltage from the 4-20 mA input signal.

Feature

- Simple installation with automatic initialization (range and zero point adaptive adjustment)
- Easy operation: local operation and configuration via three buttons and dual-line display
- Online adaptive program ensures high-quality control
- Extremely low air consumption during steady-state operation, negligible
- "Tight closing" function (ensures maximum seating pressure on the valve seat)
- Numerous functions can be achieved through simple configuration, e.g., setting characteristic curves and limits
- Same device model for both linear and rotary actuators
- Few moving parts, insensitive to vibration

Technical Parameters

Item Type	KK900
Operation Temperature	-30~80℃
Explosion Proof Form	Ordinary type, intrinsic safety type
Input Signal	DC4~20mA
Stroke	10-200mm or 0-120 ℃
Gas Source	Pressure 0~0.6Mpa; No oil, no moisture, no dust or dirt
Impedance	Less than 450Ω
Air Connection	NPT1/4
Electrical Interface	NPT1/2、G1/2
Output Characteristic	Linear, equal percentage (1:25, 1:5025:1, 50:1) customizable
Linearity	±0.5%F.S.
Repeatability	±0.4%F.S.
Sensitivity	±0.5%F.S.
Material	die-casting aluminum
Protection Grade	IP66
Weight	1.8Kg
Size	218x105x118mm length x width x height

Ordering Code

KK900

Model

Functional Type

- 0 Standard
- 1 Valve feedback
- 2 HART
- 3 Valve position feedback+HART

Action form

- L** Direct travel
- R** Angular travel

Acting Type

- S** Single
D Double

Explosion Proof

- n** Common
- i** Intrinsically safe type

Electrical Interface

- 1 G1/2
- 2 NPT1/2
- 3 M20x1.5

Fault Location

- 1 Reset
- 2 Keeping positions

Limit Switch

- 1 Without limit switch
2 Equipped with limit switch

IP8081/IP8181 SERIES POSITIONER

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IP8081



IP8181-03d

Technical Parameters

Item Type	IP8081/IP8181	
	Single	Double
Basic Error	±1%	±2%
Return Difference	1%	2%
Dead Zone	0.4%	0.8%
Rated Travel	0~(10~100) mm [Angular travel (angular travel) 0~(50 °~90 °)]	
Minimum Operating Current	3.8mA.DC	
Voltage	9~36V.DC	
Maximum Supply Power	0.2W	
Air Pressure	0.14 ~ 0.7MPa	
Input Signal	4~20mA.DC (conventional) two-wire system	
Output Pressure	0.02~0.5MPa	
Gas Consumption	5L/min (gas supply 0.14MPa)	11L/min (gas supply 0.7MPa)
Output Characteristic	linear	
Ambient Temp.	The room temperature type is -20 °C~+60 °C	
Relative Humidity	5%~100%	
Explosion Proof Type (grade)	Explosion proof type (Ex db IIC T6 Gb, Ex tb IIIC T80 °C Db)	
Supply Impedance	4~20mA.DC/500Ω(20mA)	
Air Connection	NPT1/4 (conventional) G1/4	
Exterior Material	NPT1/2 (conventional), G1/2, M20 × 1.5	
Power Interface	Aluminum alloy spraying process treatment	
External Dimensions	Explosion proof type: 266 × 145 × 110 (mm) (length × width × height)	
	Normal type: 218 × 162 × 106 (mm) (length × width × height)	
Weight	Explosion proof type: about 3.3 kg, ordinary type: about 2.3 kg	

Overview

The IP8081/IP8181 intelligent electrical valve positioner is an intelligent two-wire field instrument based on microprocessor technology. It is a high-performance electrical valve positioner that can effectively overcome frictional forces and unbalanced forces on the valve core, improve the response speed of the regulating valve, and enable rapid and accurate positioning; It has functions such as changing control type, setting split range control, setting closed function, changing valve stroke distance, adjusting packing friction coefficient, setting valve type, and 4~20mA valve position feedback. It is used in conjunction with traditional mechanical electrical valve positioners, making the installation and debugging of valve positioners more convenient, with lower maintenance costs and higher control accuracy.

Feature

① High positioning accuracy, up to 0.5% FS; ② Easy to operate, generally only one click is needed to complete the setting. ③ It has explosion-proof function, safe and reliable performance; ④ Automatic tuning, automatic diagnosis; ⑤ Good seismic performance ⑥ Long term use will not cause zero drift problems like mechanical locators; ⑦ Low power consumption, low-cost operation; ⑧ Adopting a two-wire 4~20mA standard signal.

Ordering Code

Model	IP8	8			
Output Stroke	0	1			
Feedback Signal	1				
Acting Type	S	D			
Explosion Proof	n	i			

YT-1000L SERIES POSITIONER

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Overview

The electric valve positioner YT-1000L is a device that receives a 4~20mA DC current signal from a controller or control system and delivers air to a pneumatic actuator to control valve opening.

Feature

① No resonance phenomenon within the range of 5~200Hz; ② Positive and negative effects, and easy conversion between single and double effects; ③ For the vibration generated by small actuators, it can be solved by adding a throttle hole to the locator. ④ Low air consumption, good economy, ⑤ can achieve split range control within 1/2 range without replacing parts.

Technical Parameters

Item Type	YT-1000L	
	Single	Double
Input Signal	4~20mA DC	
Impedance	250±15 Ohm	
Supply Pressure	0.14~0.7Mpa(1.4~7bar)	
Stroke	10~150mm	
Air Connection	NPT1/4 (conventional) G1/4、 PT1/4	
Gauge Connection	PT 1/8	
Conduit	NPT1/2 (conventional), G1/2, M20 × 1.5	
Explosion Proof	NEPSI ExiallCT6Ga ,ExdbllCT6Gb,ExtbllCT80°CDb	
Enclosure	IP66	
Ambient Temp.	Room temperature type is -20~60 °C	
Linearity	±1.0% FS	±2.0% FS
Hysteresis	±1.0% FS	
Sensitivity	±0.2% FS	±0.5% FS
Repeatability	±0.5%FS	
Air Consumption	2.5LPM (Sup=0.14Mpa)	
Flow Capacity	80LPM (Sup=0.14Mpa)	
Material	Aluminum Diecasting	
Weight	2.7kg(6.1lb)	

Ordering Code

Model	YT-1000L					
Acting Type	S	D				
Explosion Proof	n	i	d			
Lever Type	1	2	3	4		
Orifice Type	1	2	3			
Connection Type	1	2				
Ambient Temp.	S	H	L			
Option	0	1	2	3		

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① There is no resonance phenomenon within the range of 5-200Hz. ② Positive and negative effects, as well as single and double effects, can be easily converted. ③ For the vibration generated by small actuators, it can be solved by adding a throttle hole to the locator. ④ Low air consumption and good economy. ⑤ It is possible to achieve split range control within 1/2 range without replacing parts.

Item Type	YT-1000R	
	Single	Double
Input Signal	4~20mA DC	
Impedance	250±15 Ohm	
Supply Pressure	0.14~0.7Mpa(1.4~7bar)	
Stroke	0~90°	
Air Connection	NPT1/4 (conventional) G1/4、PT1/4	
Gauge Connection	PT(NPT)1/8	
Conduit	NPT 1/2、G1/2、M20×1.5	
Explosion Proof	NEPSI ExiallCT6Ga ,ExdbllCT6Gb,ExtblllCT80°CDb	
Enclosure	IP66	
Ambient Temp.	Room temperature type is -20~60 °C	
Linearity	±1.0% FS	±2.0% FS
Hysteresis	±1.0% FS	
Sensitivity	±0.2% FS	±0.5% FS
Repeatability	±0.5%FS	
Air Consumption	2.5LPM (Sup=0.14Mpa)	
Flow Capacity	80LPM (Sup=0.14Mpa)	
Material	Aluminum Diecasting	
Weight	2.8kg(6.2lb)	

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Item Type	IP8000/IP8100	
	Single	Double
Basic Error	±1%	±2%
Return Difference	1%	2%
Dead Zone	0.4%	0.8%
Rated Travel	0~(10~100) mm [Angular travel (angular travel) 0~(50 °~90 °)]	
Gas source pressure	0.14 ~ 0.7MPa	
Input Signal	4~20mA.DC (conventional); 0 ~ 10 mA.DC, 4 ~ 12 mA.DC, 12 ~ 20 mA.DC, 0 ~ 5 mA.DC, 5 ~ 10mA.DC	
Output Pressure	0.02~0.5MPa	
Gas Consumption	Single Actuator	5L/min (gas supply 0.14MPa)
	Double Actuator	11L/min (gas supply 0.7MPa)
Output Characteristic	Linearity	
Ambient Temp.	The room temperature type is -20 °C~60 °C	
Relative Humidity	5% ~ 100%	
Explosion Proof	Explosion proof type (ExdIIIBT6Gb); Inherent Safety Type (ExiaIICT6Ga)	
Supply Impedance	4~20mA.DC/240 ± 10 Ω (at 20 °C); 0~10mA.DC/950 ± 30 Ω (at 20 °C); (4~20mA is intrinsic safety crack)	
Air Connection	NPT1/4 (regular) G1/4	
Conduit	NPT1/2 (conventional), G1/2, M20 × 1.5	
Exterior Material	Aluminum alloy spraying process treatment	
External Dimensions	218 × 162 × 100 (mm) straight stroke 251 × 162 × 100 (mm) angular travel (length × width × height)	
Weight	About 2.4kg (without junction box) 2.6kg (with junction box)	

① There is no resonance phenomenon within the range of 5-200HZ, and both positive and negative effects can be easily converted between single and double effects. ③ For small actuators, vibration can be prevented by reducing the throttle of the locator. ④ Low air consumption and good economy. ⑤ It is possible to achieve split range control within 1/2 range without replacing parts.

Model	
Output Stroke 000 Direct travel 100 Angular travel	
Acting Type 01 Single 03 Double	
Explosion Proof n Non-Explosion d ExdbllBT6Gb i ExiallCT6Ga	
Feedback Method F Built in feedback non explosion proof	

KK700 SERIES POSITIONER

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Overview

The KK700 electrical valve positioner converts the 4~20mA DC signal from the regulator or computer IO port into pneumatic force and drives the regulating valve to achieve angular or linear displacement through a single acting or double acting cylinder. Furthermore, closed-loop control is achieved through a cam feedback system, allowing the regulating valve to achieve precise angular or linear displacement proportional to the input signal.

Technical Parameters

Input Signal	Standard: 4~20mA DC 0~20mA DC Split range: 4~20mA DC 12~20mA DC
Input Impedance	220Ω±10Ω
Air supply pressure	0.14 ~ 0.8Mpa
Rated travel	Straight stroke: 12~140mm Turning angle: 0~95°
Wire connector	NPT1/2
Air Connection	NPT1/4
Ambient Temp.	-20°C~60°C
Environmental temperature impact	≤0.05% °C
Gas consumption	0.5m3n/h matched with actuator servo slide valve with diameters of Φ 4 and Φ 6
In the executing agency	Dead zone: ≤ 0.4%
The load is relatively stable	Lag:<0.7%
Timed performance	Linear:<± 1%
Vibration effect	(1.5g~100Hz)≤1%
Incoming interface	NPT1/2 or M20 × 1.5
Applicable cables	Φ5~Φ10
Tracheal interface	NPT 1/4
Weight	3.5kg

Ordering Code

KK7				
Model				
Explosion Proof				
2 Basic type				
Acting Type				
0 Single Reaction				
1 Single Action				
2 Double Reaction				
3 Double Action				
Travel itinerary				
A Angular travel				
B Direct travel				
Connection form				
U Angular travel U-shaped				
H Angle stroke H-type				
X Basic straight travel type				
S Straight stroke extended type				
Feedback method				
F With signal feedback				
0 None				
LS Equipped with limit switch				

EP4000 SERIES POSITIONER

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Overview

The EP4000 series electrical valve positioner is used in conjunction with pneumatic actuators, with an input signal of 4~20mADC converted to output air pressure to control the action of the actuator. At the same time, feedback is provided based on the stroke of the execution structure, so that the stroke of the execution structure can control the signal for precise positioning.

Feature

① Suitable for small and large capacity actuators; ② Low gas consumption; ③ You can choose output characteristics; ④ By replacing the cam mechanism, the conversion between straight and angular travel can be achieved.

Technical Parameters

Item Type	Direct travel		Corner travel	
	Single	Double	Single	Double
Input Signal	4~20mA.DC (divisible)			
Input Impedance	250Ω ± 5% (at 25%)			
Gas source pressure	0.14 ~ 0.7MPa			
Output pressure	0 ~ 0.7MPa			
rated travel	0 ~ 60mm		0 ~ 90°	
Linearity	≤±1.0%		≤±1.5%	
Sensitivity	≤0.1%		≤0.2%	
Hysteresis	≤0.5%		≤0.8%	
Repeatability	≤0.2%		≤0.3%	
Air Connection	NPT 1/4			
Electrical interface	NPT 1/2			
Explosion Proof	ExdbIIBT6Gb,ExialCT6Ga			
Ambient Temp.	-20°C~60°C			
Humidity range	10 ~ 90%RH			
Gas consumption	5L/min	15L/min	175L/min	400L/min
Exterior Material	Gas supply 0.14MPa	Gas supply 0.4MPa	Gas supply 0.14MPa	Gas supply 0.4MPa
Pressure gauge	Stainless steel shell			
Output characteristics	Linear (standard type)			
Housing material	Cast aluminum alloy			
surface coating	Powder coating			
Weight	2.3kg			

Ordering Code

EP4				
Model				
Explosion Proof				
1 Explosion proof d Exdb II BT6 Gb				
2 Not explosion-proof n				
3 Intrinsic safety i Exia II CT6 Ga				
Travel Itinerary				
1 Direct travel				
2 Angular travel				
Acting Type				
1 Single				
2 Double				
Feedback Method				
PTM +PTM				
(built-in non explosion proof type)				

HEP(EPP) SERIES POSITIONER

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Overview

The HEP (EPP) electrical valve positioner can convert the electrical signal output by the regulating device into a pneumatic signal to drive the regulating valve action, and has a valve positioning function, which overcomes the friction force of the valve stem, cancels out the balance force caused by the pressure change of the regulated medium, so that the valve opening corresponds to the control signal output by the regulating device, achieving correct positioning.

Ordering Code

HEP 1					
Acting Type			Feedback rod		
5	ExdbIICT6 Gb		125	0~60	
6	ExialIICT4 Ga		126	0~100	
7	Non-Explosion		Option		
			0	None	
			1	+PTM (built-in non explosion proof type)	

Technical Parameters

Input Signal	Standard: 4~20mADC Split range: 4~12mADC 12~20mADC
Input Impedance	250Ω(4~20mADC)
Air supply pressure	0.14~0.35MPa
Rated travel	Straight stroke: 12~100mm
Wire connector	NPT1/2、G1/2、M20×1.5
Air Connection	NPT1/4
Ambient Temp.	-20°C~60°C
Relative temperature	≤90%
return difference	Less than 1% of the entire journey
Dead zone	Less than 0.4% of the entire journey
Performance	Linear (can be changed to fast open, equal percentage characteristics)
Gas consumption	5L/min (when the gas source pressure is 0.14MPa)
Traffic volume	140L/min (when the gas source pressure is 0.14MPa)
Weight	3.5kg

Ordering Code

EPP 1					
Model					
Input Signal					
1	4~20mADC				
2	0~10mADC				
4	4~12mADC, 12~20mADC				
Acting Type					
1	Direct Action				
2	Reaction				
Travel Itinerary					
1	Linear				
2	Equal percentage				
3	Quick open				
Air Supply Pressure					
A	0.14~0.16MPa				
B	0.17~0.5MPa				
Feedback Method					
d	ExdbII CT6 Gb				
i	ExialII CT4 Ga				
0	Non-Explosion				
Supporting Facilities					
AS	Equipped with a combined pressure reducer				

YT-1200 SERIES POSITIONER

Kinko



YT-1200R



YT-1200L

Overview

The pneumatic valve positioner YT-1200 is a device that receives pressure signals ranging from 3 to 15PSi from a pneumatic controller or control system, and controls valve position by operating pneumatic actuators.

Feature

① Small and precise structure; ② Forward and reverse, easy conversion between single acting and double acting; ③ For small-sized pneumatic actuators, vibration can be prevented by reducing the throttle hole of the locator; ④ Low air consumption and good economy; ⑤ No need to replace parts, simple operation can achieve split range control within 1/2 range.

Technical Parameters

Item Type	YT-1200L		YT-1200R	
	Single	Double	Single	Double
Input Signal	0.2 ~ 1kgf/cm ² (3 ~ 15psi)			
Supply Pressure	1.4 ~ 7kgf/cm ² (20 ~ 100psi)			
Stroke	10 ~ 150mm		0 ~ 90°	
Air Connection	NPT 1/4			
Gauge Connection	NPT 1/8			
Ambient Temp.	-20°C~60°C			
Linearity	±1%F.S.	±2%F.S.	±2%F.S.	
Hysteresis	±1%F.S.			
Sensitivity	±0.2%F.S.	±0.5%F.S.	±0.5%F.S.	
Repeatability	±0.5%F.S.			
Air Connection	2.5LPM (Sup.=1.4kgf/cm ² ,20psi)			
Flow Capacity	80LPM (Sup.=1.4kgf/cm ² ,20psi)			
Material	Aluminum Diecasting			
Weight	1.7kg(3.11b)			

Ordering Code

YT-1200

Model

Travel Itinerary

L Direct travel

R Angular travel

Acting Type

L Single

R Double

Lever Type

Direct travel

Angular travel

1 10~40mm

1 M6×34L

2 30~70mm

2 M6×63L

3 60~100mm

3 M8×34L

4 100~150mm

4 M8×63L

5 NAMUR

Orifice Type

1 0.7

2 1

3 None

Connection Type

1 PT

2 NPT

Ambient Temp

S -20°C~60°C

H -20°C~120°C

L -40°C~60°C

KK500 SERIES

Kinko



Overview

Handle precise control of valve opening, can be automatically adjusted with one click, adopts fuzzy PID optimal control internally, and supports 4~20mA valve opening transmission function.

Feature

① Equipped with a liquid crystal screen (LCD) that supports Chinese display. ② Adopting non-invasive magnetic induction button design. ③ The high-performance display screen supports operation at temperatures as low as -40 degrees Celsius. ④ Built in air discharge tube for stronger lightning protection performance. ⑤ Accurate control can be directly achieved for small volume actuators, and automatic tuning and control can be performed for eccentric valves without the need for manual parameter setting. ⑥ Adopting an electrical conversion mechanism with strong seismic performance. ⑦ The high-performance nozzle baffle design has low requirements for gas source, low gas consumption, and good economy.

Technical Parameters

Item Type	KK500
Feedback Lever Rotation Angle	Maximum 54 °
Input Signal	Two line system 4~20mA, voltage drop less than 10V
Minimum Operating Current	3.85mA
Maximum Input Current	24mA
Sensitivity	0.4%
Linearity	0.5%
Hysteresis	0.5%
Repeatability	0.5%
Temperature Effect	0.1%/10K
Flow Characteristic	Linear, equal percentage, fast opening
Feedback Signal	2-wire system 4~20mA, input voltage 10~24V
Load Resistance	Maximum load of 750 ohms at 24V
Feedback Accuracy	0.5%
Supply Pressure	140kpa~600kpa (the air source pressure should be greater than the range of the actuator spring)
Output Pressure	Minimum 0kpa, maximum output pressure is gas source pressure -20kpa
Maximum Flow Rate	110 L/min
Maximum Air Consumption	3 L/min (gas source pressure of 140kpa)
Supply Port	1/4 NPT internal thread
Output Port	1/4 NPT internal thread
Pressure Gauge Port	1/8 NPT internal thread
Electrical Connection	2, M20 * 1.5 or 1/2 NPT
Overall Dimensions	179.5 × 144.5 × 185.5mm (without feedback rod)
Weight	3.2 kg
Material	Die-cast aluminum
Coating	acrylic paint
Ambient Temperature	-40°C ~ 60°C
Protection Class	IP66
Vibration	≤2G

Ordering Code

Model	KK500					
Functional Type	0 Standard	1 Valve feedback	2 HART	3 Valve position feedback+HART		
Action form	L Direct travel	R Angular travel				
Acting Type	S Single	D Double				
Explosion Proof Type	d Exdb II CT6 Gb					
Electrical Interface	1 NPT1/2	2 M20x1.5				

PTM-6V SERIES

Kinko



PTM-6VL-LCD



PTM-6VR

Technical Parameters

Item / Type	PTM-6VL	PTM-6VR
Connection Type	2-wire connection	
Input Signal	10~150mm	0~90°
Output Signal	4~ 20mA DC	
Supply Voltage	9~30V DC	
Power Interface	NPT3/4	
Linearity	±1%FS	
Hysteresis	±0.2%FS	
Sensitivity	±0.2%FS	
Ambient Temperature	-20~60°C	
Explosion-proof Rating	Exdb II CT6 Gb	
Material	Die-cast aluminum	
Weight	1.3kg(2.9lb)	

Overview

The PTM-6V valve position transmitter is a device that converts the position change of the valve stem into a DC4~20mA current signal, and adopts an explosion-proof structure.

Feature

① Adopting a 2-wire connection for easy wiring. ② It can have high resolution and reliability. ③ The zero position and stroke control range are large, making adjustment convenient. ④ The conversion between forward and reverse can be achieved without replacing parts. ⑤ Intelligent valve position transmitter PTM-6V, high accuracy, easy to set, zero range setting does not interfere with each other.

Ordering Code

Model	PTM-6V					
Acting Type	1 Direct travel	2 Angular travel				
Explosion Proof Type	d Exdb II CT6 Gb					
Lever Type	Direct travel	Angular travel				
	1 10~40mm	1 Standard				
	2 30~70mm	2 NAMUR				
	3 60~100mm					
	4 100~150mm					
Option	1 LCD display					

KK1500 SERIES



Overview

The 1500 series intelligent electrical valve positioner is designed specifically for integrated pneumatic control valves, especially suitable for angle seat valves and diaphragm valve products. This product is easy to operate and can be easily operated through the button panel. The locator can quickly and accurately adjust the valve position by detecting the displacement sensor signal.

Feature

- ① Electrical waterproof joint
- ② LED status display
- ③ Quick and easy start

Technical Parameters	
Item type	KK1500
Material	Polycarbonate (PC) silicone rubber (SI)
	Polyamide (PA6-GF30)
Power supply	DC 24V ± 10%
Signal input	4-20 mA
Set signal input impedance	140Ω
Compressed air requirements	Neutral gas, compliant with DIN ISO 8573-1 requirements
Particle size requirements	Class 5(<40μm particle size)
Particle density requirements	Class 5(<10mg/m3)
Condensation point requirement	Class 3(<-20℃)
Oil concentration requirements	Class 5(<25mg/m3)
Ambient temperature	0-55℃
Pneumatic connector	1/4 inch plug-in hose connector (inner diameter of 6mm)
Electrical quick connector	M12 three pin B standard (cable diameter area 46mm)
	M12 four pin D standard (cable diameter area 46mm)
Air source pressure	3-7 bar, The specific value depends on the executing agency
Valve stroke control range	5-50 mm
Installation method	Tend to be installed at the top of the actuator, connected to the actuator through M26 threads
Protection rating	IP65
Power consumption	<5W

Kinko

Ordering Code

KK1500	
Model	
Feedback Signal	
1	No feedback signal
2	4-20mA feedback signal
Action form	
1	5-12 mm
2	12-30 mm
3	30-50 mm

YT-200/205 SERIES



YT-200



YT-205

Technical Parameters

Item Type	YT-200		YT-205	
	A	B	A	B
Maximum input pressure	15kgf/cm ² (231psi)		15kgf/cm ² (231psi)	
Maximum output pressure	4.2kgf/cm ² (57psi)	8.4kgf/cm ² (120psi)	4.2kgf/cm ² (57psi)	8.4kgf/cm ² (120psi)
Air Connection	NPT(PT1/4)			
Gauge Connection	NPT(PT1/4)			
Ambient Temp.	-20℃~70℃ (normal temperature)		-20℃~120℃ (high temperature)	-40℃~70℃ (low temperature)
Minimum filter size	5 microns			
Material	Aluminum Diecasting		Stainless Steel	
Weight	0.6kg(1.71lb)		1.4kg(3.0lb)	

Overview

The various types of filter pressure reducers produced by our company are specially designed and produced according to the needs of our production site in China. It is more progressiveness in terms of greater output flow and more accurate stability. Widely used in self-control systems, especially suitable for filtering and reducing pressure of air sources for electrical converters, valve positioners, various pneumatic instruments, and actuators.

Feature

- ① Exquisite craftsmanship, intricate structure, and beautiful appearance.
- ② Pure filtration, equipped with PE microporous filter element, can be repeatedly used.
- ③ Aluminum alloy castings undergo anodizing treatment and surface spraying, making them sturdy, aesthetically pleasing, and corrosion-resistant.
- ④ The material of the key joint is stainless steel.
- ⑤ Easy and effective sewage discharge.
- ⑥ Integrated with the electrical converters and valve positioners produced by our factory, they are shipped together, making installation more convenient and the structure more exquisite and beautiful.

Ordering Code

YT-200/205	
Model	
Adjustment Range	
A	0~0.42Mpa
B	0~0.84Mpa
Connection Form	
P	PT
N	NPT
Pressure Gauge	
0	None
1	0~0.4Mpa
2	0~1.0Mpa
Ambient Temp	
1	-20~70℃
2	-20~120℃
3	-40~70℃
Option	
1	Manual drainage

4M SERIES (5/2 WAY)

Kinko

Kinko



Features

- Internally piloted structure
- Structure in sliding column mode:good tightness and sensitive reaction
- Double control solenoid valves have memory function
- Internal hole adopts special processing technology which has little attrition friction, low start pressure and long service life
- No need to add oil for lubrication
- Install in the side plate with the surface upward, which can be used by directly connecting with the actuators
- Affiliated manual devices are equipped to facilitate installation and debugging
- NAMUR standard mounting method.

Certificate and approvals

- EAC(TR CU 010/2011, TR CU 020/2011)

Technical Parameters

Model	4M210-08	4M310-08	4M310-10
	4M220-08	4M320-08	4M320-10
Materia of body	Aluminum alloy		
Fluid	Air(to be filtered by 40μm filter element)		
Acting	Internal pilot		
Valve type	5 port 2 postion(5/2 way)		
Operating pressure	0.15~0.8 Mpa (21~114 psi)		
Proof pressure	1.2 Mpa(175 psi)		
Temperature	-20~+70°C		
Lubrication[note 1]	Not required		
Max.frequency[note 3]	5 cycle/sec (4M2 series)	4 cycle/sec (4M3series)	
Port size[note 2]	In=1/4" Out=1/8"	In=Out=1/4"	In=3/8" Out=1/4"
Orifice size CV[note 4]	4M210-08, 4M220-08: 17.0mm ² (CV=1.0)	4M310-10,4M320-10: 20.0mm ² (CV=1.65)	
Weight	4M210:220g 4M220:320g	4M310:310g	4M220:400g

[note 1]Once lubricated air is used,continue with same medium to optimise valve lifespan.Lubricants like ISO VG32 or equivalent are recommended.
[note 2]PT thread,G thread and NPT thread are available.
[note 3]The maximum actuation frequency is in the no-load state.
[note 4]Equivalent orifice S and Cv are all calculated from the flow rate data.

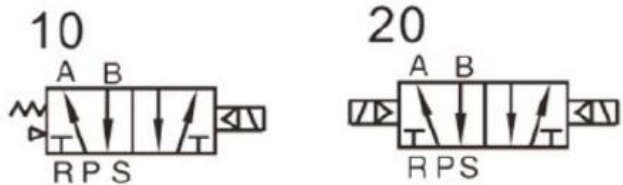
Coil Specification

Model	4M210,4M220,4M310,4M320				
Standard voltage	AC220V	AC110V	AC24V	DC24V	DC12V
Power consumption	4.5VA	4.5VA	5.0VA	3.0w	2.5w
Scope of voltage	AC:±15%,DC:±10%				
Protection grade	IP 66				
Temperature classification	B Class				
Electical entry	Terminal				
Activating time	0.05sec and below				

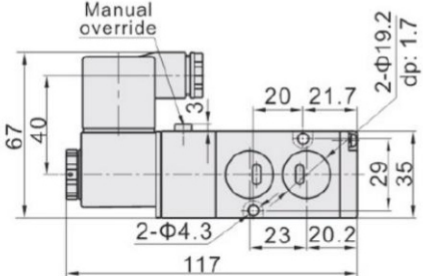
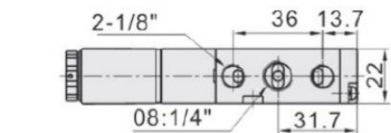
Ordering Code

KK-4 M 3 10 08 0V W3 □ □ S									
Model	Solenoid valve NAMUR STANDARD								
Valve body type	M:Plate-type connection								
Code	2:2 Series 3:3 Series 4:4 Series								
Valve type	10:Single coil 20:Double coil								
Electrical entry	08:1/4" 10:3/8"								
Standard voltage	0V:24VDC 1V:110V 2V:AC220V								
Power	W3:≤3W W4:≤4W W6:≤5W								
Cu Zn < 1%	Empty:Conventional NX:Cu Zn < 1%								
Environmental temperature	S:-20~60°C L:-40~60°C								

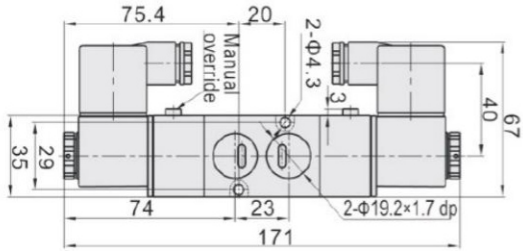
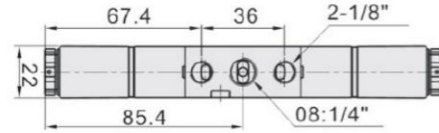
Product Dimension Drawing



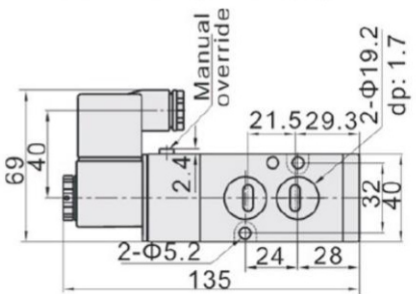
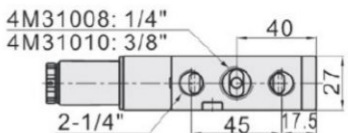
Dimensions



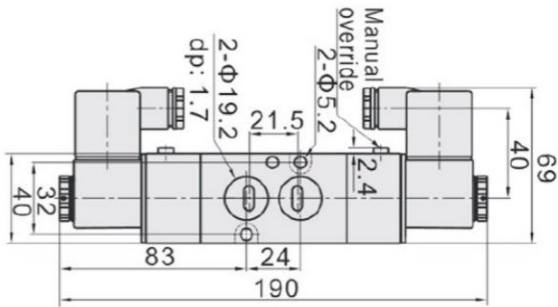
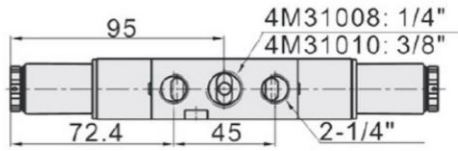
4M210



4M220



4M310



4M320

KK-4V210/220-08
SERIES(5/2 WAY)

Kinko

Kinko



Features

- Pilot-oriented mode:Internal pilot
- Structure in sliding column mode:good tightness and sensitive reaction
- Double control solenoid valves have memory function
- Internal hole adopts special processing technology whichhas little attrition friction, low start pressure and longservice life
- No need to add oil for lubrication
- Several standard voltage grades are optional
- Integrate with the manifold to save installation space

Certificate and approvals

- EAC(TR CU 010/2011,TR CU 020/2011)

Technical Parameters

Model	KK-4V210-08	KK-4V220-08
Materia of body	Aluminum alloy	
Fluid	Air(to be filtered by 40μm filter element)	
Acting	Internal pilot	
Valve type	5 port 2 postion(5/2 way)	
Operating pressure	0.15~0.8 Mpa (21~114 psi)	
Proof pressure	1.2 Mpa(175 psi)	
Temperature	-20~70℃	
Lubrication[note 1]	Not required	
Max.frequency[note 3]	5 cycle/sec	
Port size[note 2]	In=Out=1/4“Exhaust=1/8”	
Orifice size CV[note 4]	17.0mm²(CV=1.0)	

[[note 1](#)]Once lubricated air is used,continue with same medium to optimise valve lifespan.Lubricantis like ISO VG32 or equivalent are recommended.
[[note 2](#)]PT thread,G thread and NPT thread are available.
[[note 3](#)]The maximum actuation frequency is in the no-load state.
[[note 4](#)]Equivalent orifice S and Cv are all calculated from the flow rate data.

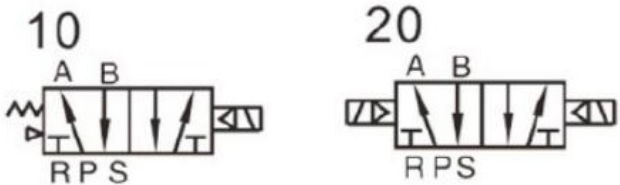
Coil Specification

Model	4V210-08,4V220-08				
Standard voltage	AC220V	AC110V	AC24V	DC24V	DC12V
Power consumption	4.5VA	4.5VA	5.0VA	3.0w	2.5w
Scope of voltage	AC:±15%,DC:±10%				
Protection grade	IP 66				
Temperature classification	B Class				
Electical entry	Terminal				
Activating time	0.05sec and below				

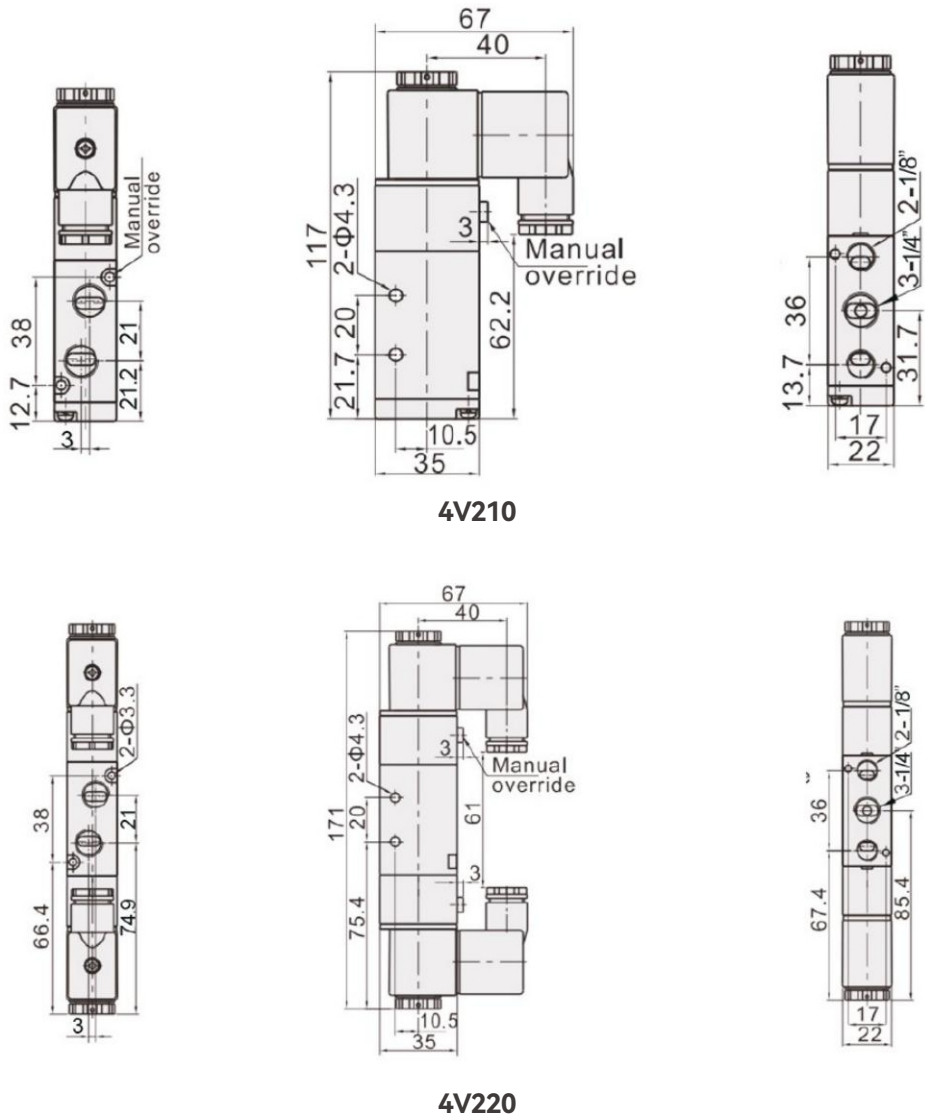
Ordering Code

KK-4 V 2 10 08 0V W3 □ □ S									
Model	Solenoid valve NAMUR STANDARD								
Valve body type	V:Thin valve body, pipe connection Single electronic control								
Code	2:2 Series								
Valve type	10:Single coil 20:Double coil								
Electrical entry	08:1/4" 10:3/8"								
Standard voltage	0V:24VDC 1V:110V 2V:AC220V								
Power	W3:≤3W W4:≤4W W6:≤5W								
Cu Zn < 1%	Empty:Conventional NX:Cu Zn < 1%								
Environmental temperature	S:-20~60℃ L:-40~60℃								

Product Dimension Drawing



Dimensions



KK-4V310/320 SERIES(5/2 WAY)

Kinko

Kinko



Features

- Internally piloted structure
- Structure in sliding column mode:good tightness and sensitive reaction
- Double control solenoid valves have memory function
- No need to add oil for lubrication
- Install in the side plate with the surface upward,which can be used by directly connecting with the actuators
- Affiliated manual devices are equipped to facilitate installation and debugging
- Integrate with the manifold to save installation space.

Certificate and approvals

- EAC(TR CU 010/2011,TR CU 020/2011)

Technical Parameters

Model	KK-4V310-08KK-4V320-08KK-4V310-10KK-4V320-10			
Materia of body	Aluminum alloy			
Fluid	Air(to be filtered by 40μm filter element)			
Acting	Internal pilot			
Valve type	5 port 2 postion(5/2 way)			
Operating pressure	0.15~0.8 Mpa (21~114 psi)			
Proof pressure	1.2 Mpa(175 psi)			
Temperature	-20~+70℃			
Lubrication[note 1]	Not required			
Max.frequency[note 3]	4 cycle/sec			
Port size[note 2]	In=Out=Exhaust=1/4"		In=Out=3/8"	
			Exhaust=1/4"	
Orifice size CV[note 4]	28.0mm ² (CV=1.65)			
Weight	310g	400g	310g	400g

[[note 1](#)]Once lubricated air is used,continue with same medium to optimise valve lifespan.Lubricants like ISO VG32 or equivalent are recommended.
[[note 2](#)]PT thread,G thread and NPT thread are available.
[[note 3](#)]The maximum actuation frequency is in the no-load state.
[[note 4](#)]Equivalent orifice S and Cv are all calculated from the flow rate data.

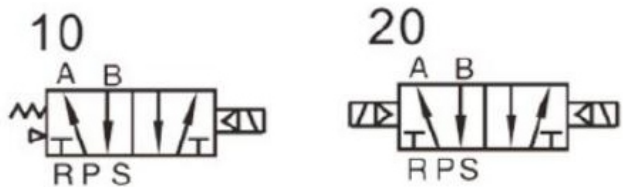
Coil Specification

Model	4V310-08,4V320-08,4V310-10,4V320-10				
Standard voltage	AC220V	AC110V	AC24V	DC24V	DC12V
Power consumption	4.5VA	4.5VA	5.0VA	3.0w	2.5w
Scope of voltage	AC:±15%,DC:±10%				
Protection grade	IP 66				
Temperature classification	B Class				
Electical entry	Terminal				
Activating time	0.05sec and below				

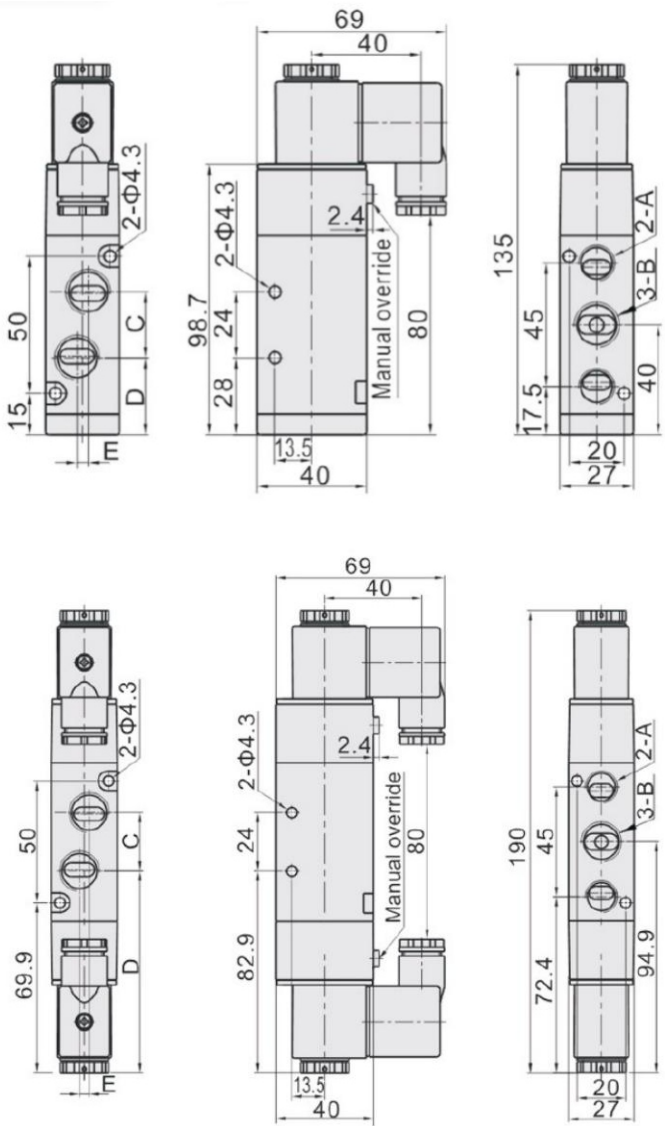
Ordering Code

KK-4 V 3 10 08 0V W3 □ □ S									
Model Solenoid valve NAMUR STANDARD									
Valve body type V:Thin valve body, pipe connection Single electronic control									
Code 3:3 Series									
Valve type 10:Single coil 20:Double coil									
Electrical entry 08:1/4" 10:3/8"									
Standard voltage 0V:24VDC 1V:110VAC 2V:AC220V									
Power W3:≤3W W4:≤4W W6:≤5W									
Cu Zn < 1% Empty:Conventional NX:Cu Zn < 1%									
Environmental temperature S:-20~60℃ L:-40~60℃									

Product Dimension Drawing



Dimensions



4V310

Model/Item	A	B	C	D	E
4V310-08	1/4"	1/4"	22	29	0
4V310-10	1/4"	3/8"	24	28	4

4V320

Model/Item	A	B	C	D	E
4V320-08	1/4"	1/4"	22	83.9	0
4V320-10	1/4"	3/8"	24	83.9	4

KK-4V410/420-08 SERIES

Kinko

Kinko



Features

- Internally piloted structure
- Structure in sliding column mode:good tightness and sensitive reaction
- Double control solenoid valves have memory function
- No need to add oil for lubrication
- Install in the side plate with the surface upward, which can be used by directly connecting with the actuators
- Affiliated manual devices are equipped to facilitate installation and debugging
- Integrate with the manifold to save installation space.

Certificate and approvals

- EAC(TR CU 010/2011, TR CU 020/2011)

Technical Parameters

Model	KK-4V410-08KK-4V420-08KK-4V430C-15KK-4V430E-15KK-4V430P-15		
Materia of body	Aluminum alloy		
Fluid	Air(to be filtered by 40μm filter element)		
Acting	Internal pilot		
Valve type	5 port 2 position(5/2 way)	5port 3 position (5/3way)	
Operating pressure	0.15~0.8 Mpa (21~114 psi)		
Proof pressure	1.2 Mpa(175 psi)		
Temperature	-20~+70°C		
Lubrication[note 1]	Not required		
Max.frequency[note 3]	3 cycle/sec		
Port size[note 2]	In=Out=Exhaust=1/2"		
Orifice size CV[note 4]	4V410-15,4V420-15:48.0mm ² (CV=2.82)		
	4V430C-15:40.0mm ² (CV=2.35)		
Weight	590g	720g	770g

[note 1]Once lubricated air is used,continue with same medium to optimise valve lifespan.Lubricants like ISO VG32 or equivalent are recommended.
[note 2]PT thread,G thread and NPT thread are available.
[note 3]The maximum actuation frequency is in the no-load state.
[note 4]Equivalent orifice S and Cv are all calculated from the flow rate data.

Coil Specification

Model	4V410-15,4V420-15,4V430C-15,4V430E-15,4V430P-15				
Standard voltage	AC220V	AC110V	AC24V	DC24V	DC12V
Power consumption	4.5VA	4.5VA	5.0VA	3.0w	2.5w
Scope of voltage	AC:±15%,DC:±10%				
Protection grade	IP 66				
Temperature classification	B Class				
Electrical entry	Terminal				
Activating time	0.05sec and below				

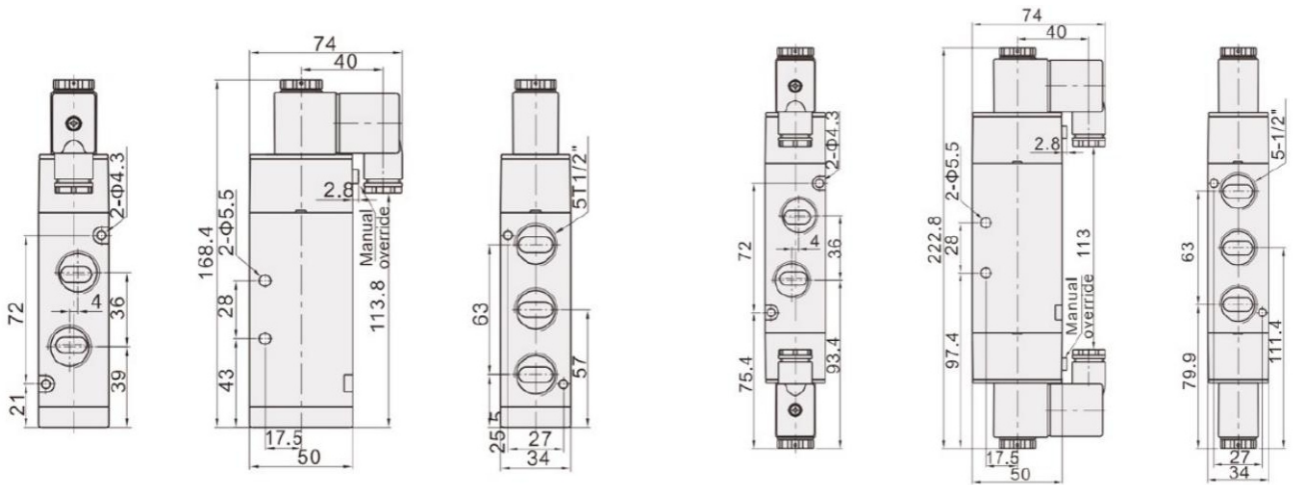
Ordering Code

KK-4 V 4 10 08 0V W3 S				
Model	Solenoid valve NAMUR STANDARD			
Valve body type	V:Thin valve body, pipe connection Single electronic control			
Code	4:4 Series			
Valve type	10:Single coil 20:Double coil			
Electrical entry	08:1/4" 10:3/8" 15:1/2"			
Standard voltage	0V:24VDC 1V:110VAC 2V:AC220V			
Power	W3:≤3W W4:≤4W W6:≤5W			
Environmental temperature	S:-20~60°C L:-40~60°C			

Product Dimension Drawing

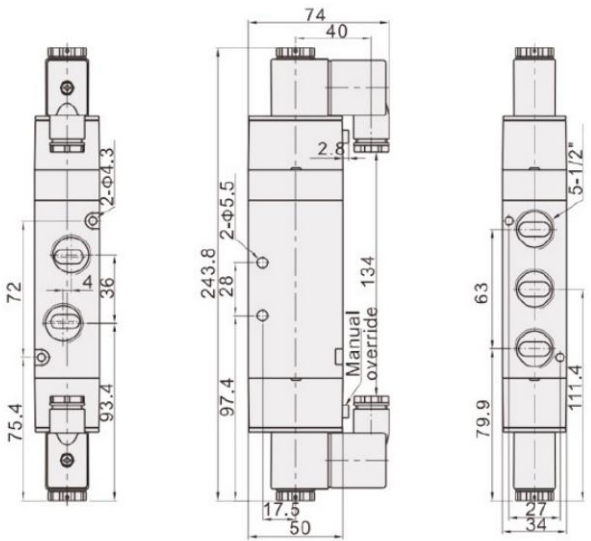


Dimensions



4V410

4V420



4V430

KK-3V310
SERIES(3/2 WAY)



Features

- Pilot-oriented mode:Internal pilot
- Structure in sliding column mode:good tightness and sensitive reaction
- Double control solenoid valves have memory function
- Internal hole adopts special processing technology whichhas little attrition friction, low start pressure and longservice life
- No need to add oil for lubrication
- Several standard voltage grades are optional
- Integrate with the manifold to save installation space

Certificate and approvals

- EAC(TR CU 010/2011,TR CU 020/2011)

Technical Parameters

Model	KK-3V310-08	KK-3V320-08	KK-3V310-10	KK-3V320-10
Materia of body	Aluminum alloy			
Fluid	Air(to be filtered by 40μm filter element)			
Acting	Internal pilot			
Valve type	3 port 2 postion(3/2 way)			
Operating pressure	0.15~0.8 Mpa (21~114 psi)			
Proof pressure	1.2 Mpa(175 psi)			
Temperature	-20~70℃			
Lubrication[note 1]	Not required			
Max.frequency[note 3]	5 cycle/sec			
Port size[note 2]	In=Out=1/4"		In=Out=3/8"	
Orifice size CV[note 4]	3V310-10,3V320-10:28.0mm²(Cv=1.65)			

[note 1]Once lubricated air is used,continue with same medium to optimise valve lifespan.Lubricantis like ISO VG32 or equivalent are recommended.
[note 2]PT thread,G thread and NPT thread are available.
[note 3]The maximum actuation frequency is in the no-load state.
[note 4]Equivalent orifice S and Cv are all calculated from the flow rate data.

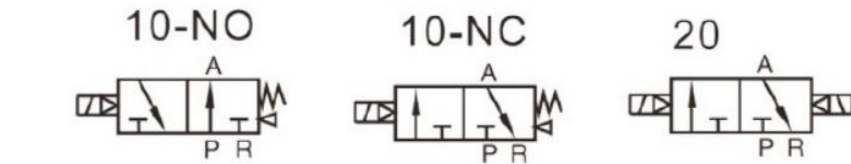
Coil Specification

Model	3V310-08,3V320-08,3V310-10,3V320-10				
Standard voltage	AC220V	AC110V	AC24V	DC24V	DC12V
Power consumption	4.5VA	4.5VA	5.0VA	3.0w	2.5w
Scope of voltage	AC:±15%,DC:±10%				
Protection grade	IP 66				
Temperature classification	B Class				
Electical entry	Terminal				
Activating time	0.05sec and below				

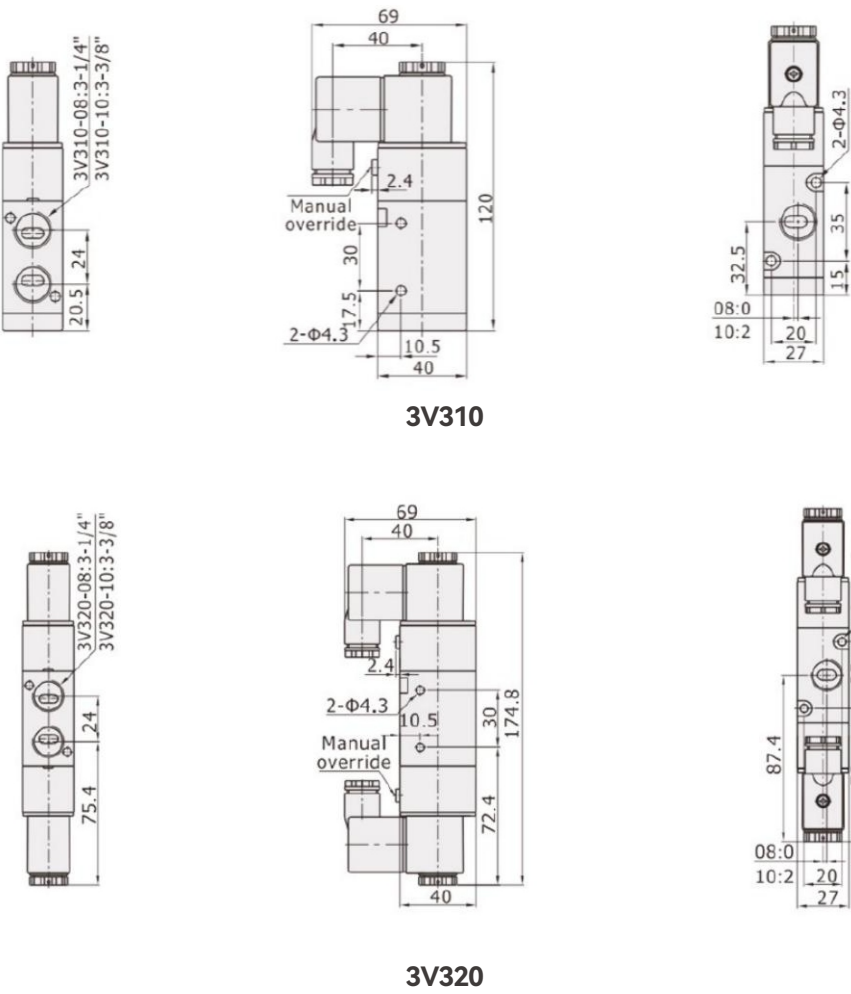
Ordering Code

KK-3 V 3 10 08 0V W3 S									
Model									
Solenoid valve									
NAMUR									
STANDARD									
Valve body type									
V:Thin valve body,									
pipe connection									
Single electronic									
control									
Code									
3:3 Series									
Valve type									
10:Single coil									
20:Double coil									
Electrical entry									
08:1/4"									
10:3/8"									
Standard voltage									
0V:24VDC									
1V:110VAC									
2V:AC220V									
Power									
W3:≤3W									
W4:≤4W									
W6:≤5W									
Environmental temperature									
S:-20~60℃									
L:-40~60℃									

Product Dimension Drawing



Dimensions



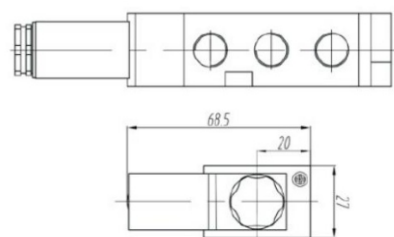
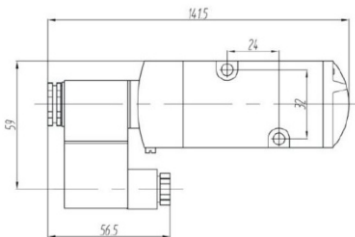
KK-4V/M 310-AS SERIES(5/2 WAY)

Kinko



Features

- Internally piloted structure
- Structure in sliding column mode:good tightness andsensitive reaction
- Internal hole adopts special processing technology which has little attrition friction, low start pressureand long service life
- No need to add oil for lubrication
- Installin the side plate with the surface upward,which can be used by directly connecting with the actuators
- Affiliated manual devices are equipped to facilitateinstallation and debugging
- NAMUR standard mounting method



Technical Parameters

Model	KK-4M310-08-AS	KK-4V310-08-AS
Materia of body	Aluminum alloy	
Fluid	Air(to be filtered by 40μm filter element)	
Acting	Internal pilot	
Valve type	5 port 2 postion(5/2 way)	
Operating pressure	0.15~0.8 Mpa (21~114 psi)	
Proof pressure	1.2 Mpa(175 psi)	
Temperature	-20~+70°C	
Lubrication[note 1]	Not required	
Max.frequency[note 3]	4 cycle/sec(4M3series)	
Port size[note 2]	In=Out=1/4"	

[note 1]Once lubricated air is used,continue with same medium to optimise valve lifespan.Lubricantis like ISO VG32 or equivalent are recommended.
 [note 2]PT thread,G thread and NPT thread are available.
 [note 3]The maximum actuation frequency is in the no-load state.
 [note 4]Equivalent orifice S and Cv are all calculated from the flow rate data.

Coil Specification

Model	DS-4M310-08				
Standard voltage	AC220V	AC110V	AC24V	DC24V	DC12V
Power consumption	4.5VA	4.5VA	5.0VA	3.0w	2.5w
Scope of voltage	AC:±15%,DC:±10%				
Protection grade	IP 66				
Temperature classification	B Class				
Electical entry	Terminal				
Activating time	0.05sec and below				

Ordering Code

KK-4 M 3 10 08 0V W3 S - AS									
Model	Solenoid valve (5/2 way) NAMUR STANDARD								
Valve body type	M: Thin valve body, Plate-type connection V:Thin valve body, pipe connection Single electronic control								
Code	3:3 Series								
Valve type	10:Single coil								
Electrical entry	08:1/4" 10:3/8"								
Standard voltage	0V:24VDC 1V:110VAC 2V:AC220V								
Power	W3:≤3W W4:≤4W W6:≤5W								
Environmental temperature	S:~20~60°C L:~40~60°C								
Product Number									

KK800-XC SERIES

Kinko

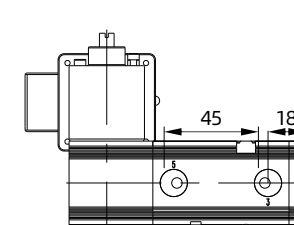
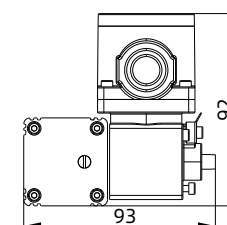
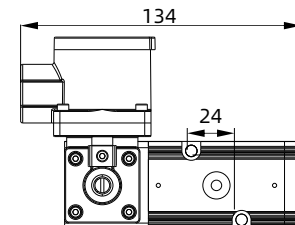


Features

- Pilot-operated structure
- Standard solenoid valves are supplied as single coil units
- Cable entry could swivel 360°
- Universal for both 5/2 way and 3/2 way valve
- Universal of both NAMUR and pipe connection mounting method
- No need to add oil for lubrication

Certificate and approvals

- SIL3
- CE
- CCC(Ex db IIC T6 Gb,Ex tb IIIC T80°C Db)
- EAC(1Ex db h IIC T6 Gb X,Ex h tb IIIC T80°C DbX)



Technical Parameters

Material of body	Aluminum Alloy
Finishing	Anodized(electroless nickel plating)
Enclosure	wetherproof enclosure IP66
Fluid	Air(to be filtered by 40μm filter element)
Valve type	Universal for both 5/2 way and 3/2 way
Operating pressure	1~8 bar
Temperature	-20 ~ 60°C, -40~60°C
Orifice size CV	25mm ² CV=1.4
Voltage & Consumed power	3.5W 110/220VAC
Port size	G1/4",NPT1/4"
Cable Entry	M20*1.5,NPT1/2",G1/2"
Product life	More than 3.5million times (under normal working conditions)

[note 1]Once lubricated air is used,continue with same medium to optimise valve lifespan.
 Lubricantis like ISO VG32 or equivalent are recommended.
 [note 2]Equivalent orifice S and Cv are all calculated from the flow rate data.

Ordering Code

KK800-X-V0 N 2N G S C S									
Explosion-proof series	KK800-X:Ex db FC800:Ex db mb								
Voltage	V0:24VDC V1:110VAC V2:220VAC								
Shell material	N:Aluminum alloy								
Connector port	2N:NPT1/2 0M:M20*1.5 2G:1/2								
Air source interface	G:G1/4 N:NPT1/4								
Ambient temperature	S:~20~60°C L:~40~60°C								
Electromagnetic head type	C								
Electrical control device	S:Single Electric Control D:Dual Electric Control								

KK800-XC-SS Series

Kinko

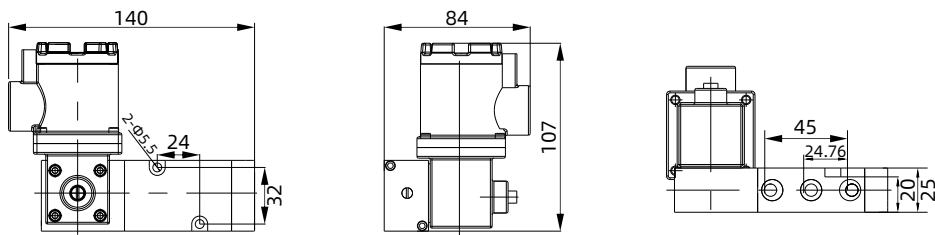


Features

- Pilot-operated structure
- Made of Stainless Steel 316
- Standard solenoid valves are supplied as double units
- Universal for both 5/2 way and 3/2 way valve
- NAMUR mounting standard
- No need to add oil for lubrication

Certificate and approvals

- SIL3
- CE
- CCC(Ex db IIC T6 Gb,Ex tb IIIC T80°C Db)
- EAC(1Ex db h IIC T6 Gb X,Ex h tb IIIC T80°C DbX)



Technical Parameters

Material of body	Stainless Steel 316
Enclosure	wetherproof enclosure IP66
Fluid	Air(to be filtered by 40μm filter element)
Valve type	Universal for both 5/2 way and 3/2 way
Operating pressure	1~8 bar
Temperature	-20 ~ 60°C, -40~60°C
Orifice size CV	25mm ² CV=1.4
Voltage & Consumed power	3.5W 110/220VAC 3.0W 24DVC
Port size	G1/4",NPT1/4"
Cable Entry	M20*1.5,NPT1/2",G1/2"
Product life	More than 3.5million times (under normal working conditions)

[note 1]Once lubricated air is used,continue with same medium to optimise valve lifespan.
Lubricants like ISO VG32 or equivalent are recommended.
[note 2]Equivalent orifice S and Cv are all calculated from the flow rate data.

Ordering Code

KK800	V0	S	2N	G	S	C	M	S
Explosion-proof series	KK800:Ex db							
Voltage	V0:24VDC V1:110VAC V2:220VAC							
Shell material	S:316							
Connector port	2N:NPT1/2 0M:M20*1.5 2G:1/2							
Air source interface	G:G1/4 N:NPT1/4							
Ambient temperature	S:-20~60°C L:-40~60°C							
Electromagnetic head type	C							
Valve body type	Empty:Thick valve M:Thin plate type valve face type V:Thin plate type pipe connection type							
Electrical control device	S:Single Electric Control D:Dual Electric Control							

KK800-XK SERIES

Kinko

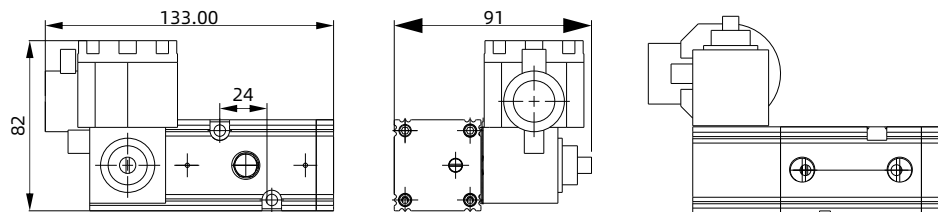


Features

- Pilot-operated structure
- Standard solenoid valves are supplied as single units
- Universal for both 5/2 way and 3/2 way valve
- Standard mounting method of NUMAR
- No need to add oil for lubrication

Certificate and approvals

- SIL3
- CE
- CCC(Ex db IIC T6 Gb,Ex tb IIIC T80°C Db)
- EAC(1Ex db h IIC T6 Gb X,Ex h tb IIIC T80°C DbX)



Technical Parameters

Material of body	Aluminum Alloy
Finishing	Anodized(electroless nickel plating)
Enclosure	wetherproof enclosure IP66
Fluid	Air(to be filtered by 40μm filter element)
Valve type	Universal for both 5/2 way and 3/2 way
Operating pressure	1~8 bar
Temperature	-20 ~ 60°C, -40~60°C
Orifice size CV	25mm ² CV=1.4
Voltage & Consumed power	3.5W 110/220VAC 3.0W 24DVC
Port size	G1/4",NPT1/4"
Cable Entry	M20*1.5,NPT1/2",G1/2"
Product life	More than 3.5million times (under normal working conditions)

[note 1]Once lubricated air is used,continue with same medium to optimise valve lifespan.
Lubricants like ISO VG32 or equivalent are recommended.
[note 2]Equivalent orifice S and Cv are all calculated from the flow rate data.

Ordering Code

KK800-X	V0	N	2N	G	S	K	S
Explosion-proof series	KK800-X:Ex db						
Voltage	V0:24VDC V1:110VAC V2:220VAC						
Shell material	N:Aluminum alloy						
Connector port	2N:NPT1/2 0M:M20*1.5 2G:1/2						
Air source interface	G:G1/4 N:NPT1/4						
Ambient temperature	S:-20~60°C L:-40~60°C						
Electromagnetic head type	K						
Electrical control device	S:Single Electric Control D:Dual Electric Control						

AW2000 SERIES



Technical Parameters

Model	AW2000-02 series	
Material	Housing	Aluminum alloy
	Bowl	PC
	Sealing	NBR
	Adjusting knob	POM
Regulating range	0.05~0.85 Mpa	
Max.service pressure	1Mpa	
Ensure pressure resistance	1.5Mpa	
Filtering accuracy	40μm or 5μm	
Recommended oil	ISOVG 32	
Temperature	-5~60℃	
Valve type	Diaphragm type	
Gauge	Standard:Round type(G1/8")	
	Option:Square embedded type	
Port size	G1/4"	
Capacity of air bowl	25CC	



Technical Parameters

Model	AC2000-02 series	
Material	Housing	Aluminum alloy
	Bowl	PC
	Sealing	Aluminum alloy
	Adjusting knob	POM
Regulating range	0.05~0.85 Mpa	
Max.service pressure	1Mpa	
Ensure pressure resistance	1.5Mpa	
Filtering accuracy	40μm or 5μm	
Recommended oil	ISOVG 32	
Temperature	-5~60℃	
Valve type	Diaphragm type	
Gauge	Standard:Round type(G1/8")	
	Option:Square embedded type	
Port size	G1/4"	
Capacity of air bowl	25CC	
Capacity of drain bowl	15CC	

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Round gauge



Square embedded
guage

Ordering Code

AW 2000-02 N J D □

Model

AW:single cup
(F.R.combination)
AC:double cup
(F.R.L.combination)

Code

2000:2000 series

Port size

02:G1/4"
03:G3/8"
05:G3/4"
06:1G

Guage type

Blank:Round type
N:Square embedded type

Bowl guard material

Blank:PC
H:half aluminum
J:full aluminum

Drain type

Blank:Manual drainage
D:automatic darin

Cu Zn <1%

Blank:Ordinary
NX:Cu Zn < 1%

KJW2000 -02A Series



Technical Parameters

Model	KJW2000-02J series	
Material	Housing	Zinc alloy
	Bowl	Auluminum alloy
	Sealing	NBR
	Adjusting knob	Stainless steel
Regulating range	0.05~0.85 Mpa	
Max.service pressure	1Mpa	
Ensure pressure resistance	1.5Mpa	
Filtering accuracy	40μm or 5μm	
Recommended oil	ISOVG 32	
Temperature	-40~60℃	
Valve type	Diaphragm type	
Gauge	Standard:Round type(G1/8")	
Port size	G1/4"	
Capacity of air bowl	25CC	



Technical Parameters

Model	KJW2000-02J series	
Material	Housing	Aluminum alloy
	Bowl	PC
	Bowl guard	Aluminum alloy
	Sealing	NBR
	Adjusting knob	Stainless steel
	Regulating range	0.05~0.85 Mpa
	Max.service pressure	1Mpa
	Ensure pressure resistance	1.5Mpa
	Filtering accuracy	40μm or 5μm
	Recommended oil	ISOVG 32
	Temperature	-40~60℃
	Valve type	Diaphragm type
	Gauge	Standard:Round type(G1/8")
	Port size	G1/4"
Capacity of air bowl		25CC
Capacity of drain bowl		15CC



Round gauge



Square embedded
guage

Ordering Code

KJW 2000-02 J L

Model

KJW
Low-temperature
series

Code

2000 single cup
2010 double cup

Port size

Blank:G1/4"

Bowl guard material

J:Full aluminum

Ambient temperature

Empty:-20~60℃
L:-40~60℃

AW3000 SERIES



Technical Parameters		
Model	Housing	AW3000-03 series
	Bowl	Zinc alloy
	Bowl guard	PC
	Sealing	NBR
	Adjusting knob	POM
Regulating range		0.05~0.85 Mpa
Max.service pressure		1Mpa
Ensure pressure resistance		1.5Mpa
Filtering accuracy		40μm or 5μm
Recommended oil		ISOVG 32
Temperature		-5~60℃
Valve type		Diaphragm type
Gauge		Standard:Round type(G1/8") Option:Square embedded type
Port size		G3/8"
Capacity of air bowl		90CC



Technical Parameters		
Model	Housing	AW3000-03 series
	Bowl	Zinc alloy
	Bowl guard	PC
	Sealing	NBR
	Adjusting knob	POM
Regulating range		0.05~0.85 Mpa
Max.service pressure		1Mpa
Ensure pressure resistance		1.5Mpa
Filtering accuracy		40μm or 5μm
Recommended oil		ISOVG 32
Temperature		-5~60℃
Valve type		Diaphragm type
Gauge		Standard:Round type(G1/8") Option:Square embedded type
Port size		G3/8"
Capacity of air bowl		90CC
Capacity of drain bowl		60CC

Kinko



Round gauge



Square embedded guage

Ordering Code

AW 3000-03 N J D

Model
AW:single cup
(F.R.combination)
AC:double cup
(F.R.L.combination)

Code
2000:2000 series

Port size
Blank:G3/8"

Guage type
Blank:Round type
N:square embedded type

Bowl guard material
Blank:PC
H:half aluminum
J:full aluminum

Drain type
Blank:Manual drainage
D:Automatic drainage

MINI SERIES



Technical Parameters		
Model	Housing	OFR-MINI series
	Bowl	Aluminum alloy
	Bowl guard	PC
	Sealing	NBR
	Adjusting knob	POM
Regulating range		0.05~0.85 Mpa
Max.service pressure		1Mpa
Ensure pressure resistance		1.5Mpa
Filtering accuracy		40μm or 5μm
Recommended oil		ISOVG 32
Temperature		-5~60℃
Valve type		Diaphragm type
Gauge		Standard:Round type(G1/8") Option:Square embedded type
Port size		G1/8",G3/8",G1/4"
Capacity of air bowl		90CC



Technical Parameters		
Model	Housing	LRC-MINI series
	Bowl	Aluminum alloy
	Bowl guard	PC
	Sealing	NBR
	Adjusting knob	POM
Regulating range		0.05~0.85 Mpa
Max.service pressure		1Mpa
Ensure pressure resistance		1.5Mpa
Filtering accuracy		40μm or 5μm
Recommended oil		ISOVG 32
Temperature		-5~60℃
Valve type		Diaphragm type
Gauge		Standard:Round type(G1/8") Option:Square embedded type
Port size		G1/8",G3/8",G1/4"
Capacity of air bowl		90CC
Capacity of drain bowl		60CC



Round gauge



Square embedded guage

Ordering Code

OFR - MINI - G1/8"

Model
OFR:single cup
(F.R.combination)
LRC:double cup
(F.R.L.combination)

Series
MINI:MINI series

Port size
G1/8"
G3/8"
G1/4"

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AW2000F SERIES

Kinko



Technical Parameters		
Model		AW2000F-02 series
Material	Housing	Aluminum alloy
	Bowl	PC
	Sealing	NBR
	Adjusting knob	POM
Regulating range		0.05~0.85 Mpa
Max.service pressure		1Mpa
Ensure pressure resistance		1.5Mpa
Filtering accuracy		40μm or 5μm
Recommended oil		ISOVG 32
Temperature		-5~60℃
Valve type		Diaphragm type
Gauge		Standard:Round type(G1/8")
		Option:Square embedded type
Port size		G1/4"
Capacity of air bowl		25CC



Technical Parameters		
Model		AC2000F-02 series
Material	Housing	Aluminum alloy
	Bowl	PC
	Bowl guard	Aluminum alloy
	Sealing	NBR
	Adjusting knob	POM
Regulating range		0.05~0.85 Mpa
Max.service pressure		1Mpa
Ensure pressure resistance		1.5Mpa
Filtering accuracy		40μm or 5μm
Recommended oil		ISOVG 32
Temperature		-5~60℃
Valve type		Diaphragm type
Gauge		Standard:Round type(G1/8")
		Option:Square embedded type
Port size		G1/4"
Capacity of air bowl		25CC
Capacity of drain bowl		15CC



Round gauge



Square embedded guage

Ordering Code

AW 2000F-02 N J D

Model
AW:single cup
(F.R.combination)
AC:double cup
(F.R.L.combination)

Code
2000:2000 series
(fibre fiter cartridge)

Port size
Blank:G1/4"

Guage type
Blank:Round type
N:square embedded type

Bowl guard material
Blank:PC
H:half aluminum
J:full aluminum

Drain type
Blank:Manual drainage
D:Automatic drainage

AIR REGULATOR

Kinko

Technical Parameters

Model	KK-200B series
Material	Aluminum alloy
	S.S.316
Regulating range	0.05~0.85 Mpa
Max.service pressure	1Mpa
Ensure pressure resistance	1.5Mpa
Temperature	-5~60℃
Gauge	Standard:Round type(G1/8")
Port size	G1/4",NPT 1/4"



Technical Parameters

Model	SFR series
Material	S.S.316
Regulating range	0.05~0.85 Mpa
Max.service pressure	1Mpa
Ensure pressure resistance	1.5Mpa
Temperature	-5~60℃
Gauge	Standard:Round type(G1/8")
Port size	NPT 3/8"



AFTER-SALES SERVICE & COMMITMENT
24 HOURS ONLINE ,LIFETIME SERVICE

Kinko

AFTER-SALES SERVICE
QUALITY ASSURANCE COMMITMENT

With the further development of a national market economy, the increasingly fierce market competition, the majority of users of the product requirements also more and more high, and more and more demand for after-sale services, to this end, our quality management department in order to adapt to the requirement of market development, set up special after-sale service group, equipped with full-time service personnel shall be responsible for handling matters of our company product after-sales service. At the same time, our company has also made many efforts in internal quality management and obtained ISO9001 quality system certification, CE certification and a number of patent certificates, etc. To this end, our company is fully capable of:

I. The products shall be issued with inspection certificates and instructions. I. to ensure that the users can correctly install and apply the products of our company.

II. Our company guarantees that the products are produced and inspected in accordance with the relevant international standards, and unqualified products will never leave the factory. We promise to strictly perform and deliver the four packages of products, strictly implement the relevant regulations of national industrial products after-sales service, and within 12 months from the date of delivery of the products, we will be responsible for the quality of the products within the warranty period under the normal operating conditions specified in the product manual.

III. If the user has any objection to the quality of our products, we promise to make Suggestions within 2 hours after receiving the objection. If it needs to be solved on site, it shall ensure that professional technical service personnel are dispatched, and the service personnel shall not be evacuated until quality problems are solved. We will archive the quality problem and result of every feedback.

The above three points are our company's commitment to after-sales service. We sincerely welcome your comments and Suggestions for improvement. We sincerely hope that we can have a pleasant cooperation.



A COOPERATION LIFETIME SERVICE



