Coreline

Pneumatic Accessories



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General information

Coreline offer a complete series of actuator accessories to meet your different requirements, such as limit switch box, solenoid valve, positioner, air process accessories, fittings and silencers.







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Fig.561 Position switch box

Features

- Solid and compact design Body in corrosion resistant and impact resistant aluminium die-casting with black power coated.
- High level weather proof IP67 and with CE approval.
- Standard 8 points for connection of solenoid valve.
- Quick-set cam Spring loaded splined cam. No need to re-adjust after initial setting.
- Captive cover bolts No worry to loose bolts while cover is open.
- Easy mounting NAMUR stainless steel shaft and ISO5211 stainless steel bracket as standard.
- Visual position indicator as standard, with Non-visual version indicator type available on request.



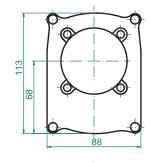
Main parts and material specification

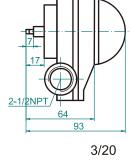
No.	Part Name	Qty.	Material
1	Box Cover	1	Aluminum Die Casting
2	Box Body	1	Aluminum Die Casting
3	Shaft	1	Stainless Steel
4	Indicator Cover	1	Polycarbonate
5	Indicator	1	ABS/Polycarbonate
6	Limit Switch	2	Mechanical/Proximity/ Magnet sensor
7	Terminal Strip	8	Polycarbonate, Tin Plated Brass, Stainless Steel
8	Cam	2	Polycarbonate
9	Cover Bolts	4	Stainless Steel
10	Earth Lug	1	Stainless Steel



Technical data

Model	Fig.561				
Wodei	Standard	Option			
Weather proof		IP67			
Temperature range	-25℃~+85℃	-25~+125℃			
Cable entry	2×1/2NPT	PT1/2, PF1/2, M20 PG13.5			
Terminal strips	8				
Position indicator	0~90° 0~180°				
Position indicator	Open-Yellow; Close-Red				
Mechanical switch	250VAC/5A; 30/48VDC/5A				
Proximity sensor	DC 24V (5-60VDC), ≤150mA				
Material	Aluminum Die-casting (Black)				





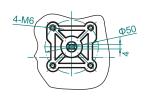




Fig.561M Multi-function position switch box

Features

- Solid and compact design Body in corrosion resistant and impact resistant aluminium die-casting with black power coated.
- 4-20mA current feedback available on request.
- High level weather proof IP67.
- Multi-point terninal strip, standard 8 points and enough strips for connection of solenoid valve.
- Quick-set cam Spring loaded splined cam. No need to re-adjust after initial setting.
- Captive cover bolts No worry to loose bolts while cover is open.
- Easy mounting NAMUR stainless steel shaft and ISO5211 stainless steel mounting bracket as standard.
- Visual position indicator as standard.

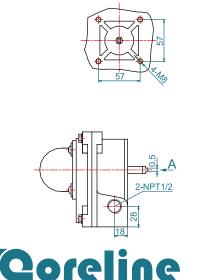


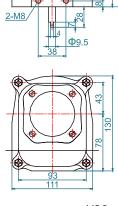
Technical data

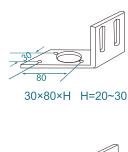
Model	Fig.561M				
Wodel	Standard	Option			
Weather proof	IF	P67			
Temperature range	-25℃~+85℃	-25~+125℃			
Cable entry	2×1/2NPT	PT1/2, PF1/2, M20 PG13.5			
Terminal strips	8	9~12			
Position indicator	0~90° 0~180°				
Position indicator	Open-Yellow; Close-Red				
Mechanical switch	0.3-0.6A 125VDC; 3-16A 125/250VAC				
Proximity sensor *)	DC 24V (5-60VDC), ≤150mA				
Feedback	4 - 20mA				
Material	Aluminum Die-casting (Black)				

^{*)} Proximity sensors available with: P+F NBB3-V3-Z4, NJ2-V3-N. Contact Coreline for other special sensors.

- Only adjustable bracket available for Fig.561M.
- Standard bracket material is stainless steel.







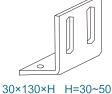


Fig.560 Position switch box - Exd II CT6

Features

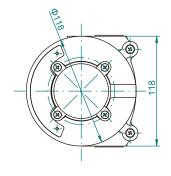
- Solid and compact design Body in corrosion resistant and impact resistant aluminium die-casting with black power coated.
- High level weather proof IP67 and with explosion proof Exd II CT6.
- Multi-point terninal strip, standard 8 points and enough strips for connection of solenoid valve.
- Quick-set cam Spring loaded splined cam. No need to re-adjust after initial setting.
- Captive cover bolts No worry to loose bolts while cover is open.
- Easy mounting NAMUR stainless steel shaft and ISO5211 stainless steel mounting bracket as standard.
- Visual position indicator as standard, with Non-visual version indicator type available on request.

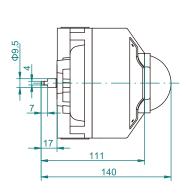


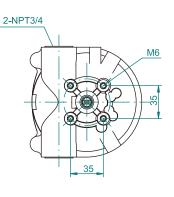
Technical data

Model	Fig.560				
Wodel	Standard	Option			
Weather proof	IP	67			
Explosion proof	II 2G Ex db IIC T6 (Gb, II 2D Ex tb IIIC T80 ℃ Db			
Temperature range 1)	-25℃~+85℃	-25~+125℃			
Cable entry	2×3/4NPT	PT3/4, PF3/4			
Terminal strips	8	9~12			
Decition in director	0~90°	0~180°			
Position indicator	Open-Yellow; Close-Red				
Mechanical sw itch	0.3-0.6A 125VDC; 3-16A 125/250VAC				
Proximity sensor	DC 24V (5-60VDC), ≤150mA				
Material	Aluminum Die-casting				

Dimensions





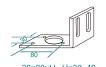


Dimensions - Bracket









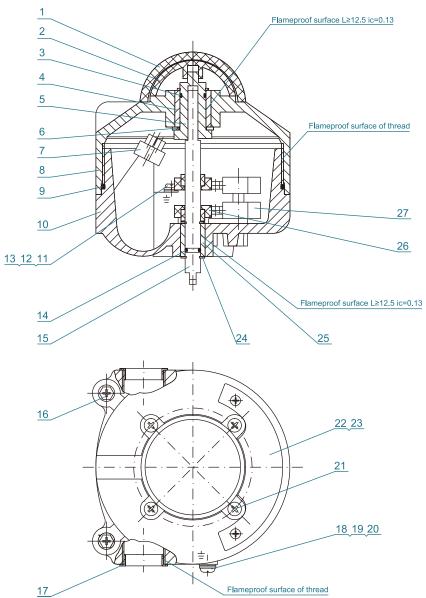




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Fig.560 Position switch box - Exd II CT6

Material part list



No.	Part name	Qty	Material	No.	Part name	Qty	Material
1	Transparent cover	1	Makrolon	15	Lower stem	1	SS303
2	Indication	1	ABS	16	Bolt	2	SS304
3	O-ring	1	NBR	17	Protecting cover	2	Rubber+plastic
4	Bushing	1	HPb59-1	18	Bolt	1	SS304
5	Upper stem	1	YL102	19	Washer	1	SS304
6	Gasket	1	Nylon 1010	20	Washer	2	SS304
7	Amphenol connector	1	Nylon 6	21	Bolt	4	SS304
8	Cover	1	YL102	22	Nameplate	1	SS304
9	O-ring	1	NBR	23	Bolt	2	SS304
10	Bottom seat	1	YL102	24	Retainer	2	SS304
11	Bolt	1	SS304	25	Bushing	1	HPb59-1
12	Washer	1	SS304	26	Cam	2	ABS
13	Washer	2	SS304	27	Microswitch	2	
14	O-ring	1	NBR				



Fig.560B Position switch box - Exd II BT6

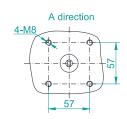
Features

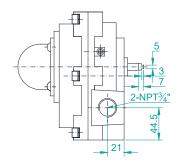
- Solid and compact design Body in corrosion resistant and impact resistant aluminium die-casting with black power coated.
- 4-20mA current feedback available on request.
- High level weather proof IP67 and with explosion proof Exd II BT6.
- Multi-point terninal strip, standard 8 points and enough strips for connection of solenoid valve.
- Quick-set cam Spring loaded splined cam. No need to re-adjust after initial setting.
- Captive cover bolts No worry to loose bolts while cover is open.
- Easy mounting NAMUR stainless steel shaft and ISO5211 mounting bracket as standard.
- Visual position indicator as standard.



Technical data

Madal	Fig.560B					
Model	Standard	Option				
Weather proof	IF	67				
Explosion proof	II 2G Ex db IIC T6 Gb,	II 2D Ex tb IIIC T80 ℃ Db				
Temperature range 1)	-25℃~+85℃	-25~+125℃				
Cable entry	2×3/4NPT	PF3/4				
Terminal strips	8	9~12				
Decition indicator	0~90°	0~180°				
Position indicator	Open-Yellow ; Close-Red					
Mechanical sw itch	0.3-0.6A 125VDC;	3-16A 125/250VAC				
Proximity sensor	DC 24V (5-60\	/DC), ≤150mA				
Feedback	4-20mA					
Material	Aluminum	Die-casting				





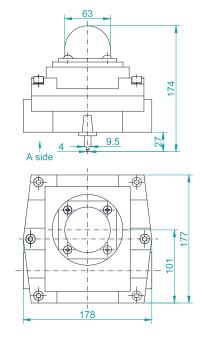




Fig.560C Position switch box - Exd II CT6

Features

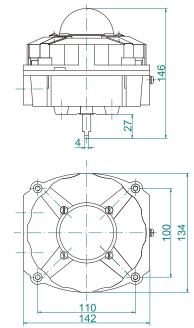
- Solid and compact design Body is available with aluminium die-casting and CF8M.
- 4-20mA current feedback available on request.
- High level weather proof IP67 and with explosion proof Exd II CT6.
- Multi-point terninal strip, standard 8 points and enough strips for connection of solenoid valve.
- Quick-set cam Spring loaded splined cam. No need to re-adjust after initial setting.
- Captive cover bolts No worry to loose bolts while cover is open.
- Easy mounting NAMUR stainless steel shaft and ISO5211 stainless steel mounting bracket as standard.
- Visual position indicator as standard.

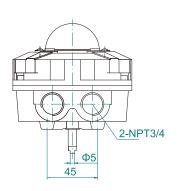


Technical data

Madal	Fig.560C					
Model	Standard	Option				
Weather proof	IP	67				
Explosion proof	II 2G Ex db IIC T6 Gb,	II 2D Ex tb IIIC T80 ℃ Db				
Temperature range 1)	-25℃~+85℃	-25~+125℃				
Cable entry	2×3/4NPT	PT3/4, PF3/4				
Terminal strips	8	9~12				
Decition indicates	0~90°	0~180°				
Position indicator	Open-Yellow ; Close-Red					
Mechanical sw itch	0.3-0.6A 125VDC;	3-16A 125/250VAC				
Proximity sensor	DC 24V (5-60VDC), ≤150mA					
Feedback	4-20mA					
Material	Aluminum Die-	-casting, CF8M				

Dimensions







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Fig.568 Magnetic switch

Features

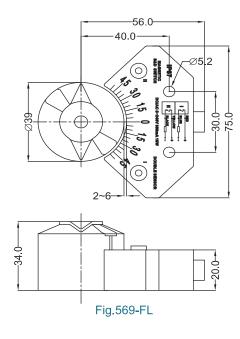
- Sense the ON/OFF position of the valve for remote PLC or PC registration.
- The device includes two reed LED indicator and visual indicator on top of the device to clearly display the valve position for local detection.
- Housing in ABS material, light in weight and corrosion restistant.
- Weather proof IP67.
- Easy assembly with minimal components.
- With flexible set system allows an adaptation to all sizes of actuators according to NAMUR.





Technical data

Item	Specification
Enclosure material	ABS
Contact form	NO (optional NC)
Output type	2-wire
Switching capacity	1W~10W
Switching voltage	5~240VAC/VDC
Switching current	0~300mA
Switching frequency	0~4.8KHz
Sensor position	-45°/+45° ±10°
Operating temperature	-40℃~+85℃
Proximity distance	1mm~6mm
Mounting	Standard: 30×80 H: 20, 30
IMounting	Requiring: 30×130 H: 20, 30
Fasteners	Stainless steel
Wiring	-FL: Flying lead (70mm)
(1-red, 2-blue, 3-yellow, 4-black)	-P4: M12-4P wiring connector



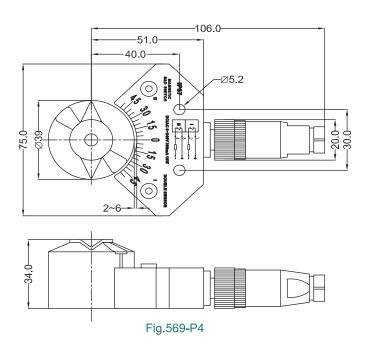




Fig.570 Namur solenoid valve

Features

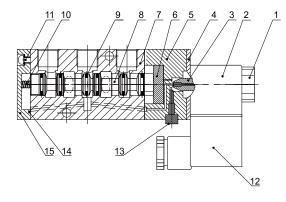
- Robust industrial 5/2 and 3/2 way solenoid valve.
- Low power consumption and long service life.
- NAMUR standard for direct mounting on actuators.
- Surface is hard anodized as protection against corrosion (20µ).
- Low temperature construction.
- Manuel operation for use in testing or when lack of supply voltage.
- The spring affected piston ensures that the solenoid valve returns to its starting point at power failure.
- 100% quality control. Each solenoid valve is function tested and pressure tested.
- CE approved.



Specifications

Item	Specification
Body	Extruded aluminium
Seal	NBR
Construction	5/2 , 3/2 way
Air consumption	1100L/min at 5 bar
Flow capacity	$Kv = 0.95m^3/h$
Air ports	1/4" BSPP or NPT
Assembly	NAMUR, manual override on body
Fasteners	Stainless steel
Medium temperature	-25℃~+80℃
Working pressure	2bar~8bar
Working medium	Less than 40µm filtered and dried air; Air quality DIN/ISO 8573-1 Class3.
Operating voltage	24VDC - 3W, 24VAC - 3.5VA, 230VAC - 3.5VA
Wiring connector	M20×1.5 or 1/2"NPT
Weather proof	IP65
Coil operating temperature	-20°C~+60°C

Material part list



No.	Part name	Material	No.	Part name	Material
1	Nut	PA66	9	O-ring	NBR
2	Coil	-	10	Spring	SS304
3	Armature	-	11	Bolt	SS304
4	Plate	SS304	12	Connector	PA66
5	Pilot body	Aluminum ADC12	13	Manual rod	PA66
6	Gasket	Aluminum	14	Seal	NBR
7	Body	Aluminum ADC12	15	Bottom cover	Aluminum ADC12
8	Core	Aluminum			



Fig.576 Namur solenoid valve - Explosion proof

Features

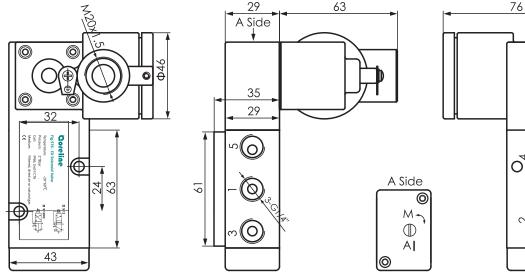
- Robust industrial 5/2 and 3/2 way solenoid valve.
- Body and coil material are available in both extruded aluminium and SS316.
- Excellent for usage in hazardous area with explosion proof II 2G Ex db IIC T6 Gb.
- Designed with "environmentally-protected structure", offer excellent environmental protection against the ingress of liquilds, dusts or other foreign matters.
- NAMUR standard for direct mounting on actuators.
- Manuel operation for use in testing or when lack of supply voltage.
- The spring affected piston ensures that the solenoid valve returns to its starting point at power failure.
- 100% quality control. Each solenoid valve is function tested and pressure tested.
- CE approved.



Specifications

Item	Specification	
Valve body material	Extruded aluminium or stainless steel 316	
Coil material	Extruded aluminium or stainless steel 316	
Seal	NBR	
Construction	5/2, 3/2NC	
Air consumption	1082L/min	
Flow capacity	Cv = 1.1 (19.63mm²)	
Air ports	1/4" BSPP or NPT	
Assembly	24×32 NAMUR, manual override on body	
Fasteners	Stainless steel	
Medium temperature	-25℃~+80℃	
Working pressure	2bar~8bar	
Working medium	Less than 40µm filtered and dried air	
Working lifetime	More than 1,000,000 cycles (under normal working conditions)	
Operating voltage	12/24/48VDC-3.5W, 110/220/240VAC-4VA (50/60Hz)	
Wiring connector	M20×1.5 or 1/2"NPT	
Coil insulation protection	F class coil (H class on required)	
Weather proof	IP67	
Explosion proof	II 2G Ex db IIC T6 Gb	
Coil operating temperature	-20℃~+60℃	

Dimensions

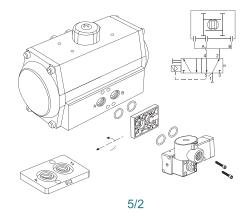


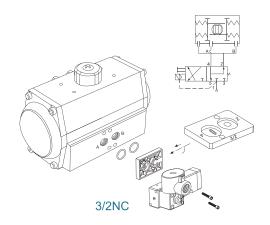


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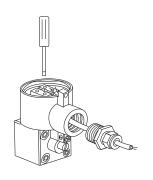
Fig.576 Namur solenoid valve - Explosion proof

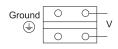
Assembly





Coil electrical connection





Note:

M20-1.5(or 1/2" NPT) Exd Cable. Gland is not included. Please contact us if required.

NAMUR interface plate

As for Fig.576 EX solenoid valve, the same valve equipped with 3/2 and 5/2 function NAMUR interface plates can be adapted for 3/2NC or 5/2 functions to control double-acting and single-acting pneumatic actuators.

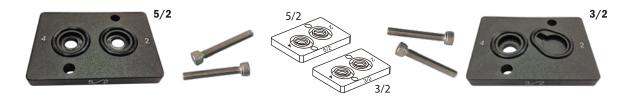


Fig.53S pneumatic actuator speed controller

Body material: Anodized coated aluminum

Seal: NBR Interface: NAMUR

Working type: 3/2 way, 5/2 way

Working medium: Less than 40µm filtered and dried air

Working temperature: -20° C $\sim +60^{\circ}$ C Working pressure: 1.5 bar - 10bar

Port size: $1/4" - \phi 5 mm; 1/2" - \phi 8 mm$



- Interface with NAMUR standard Install directly on pneumatic actuators.
- Available with 3/2 way and 5/2 way.
- Control the opening and closing speed of pneumatic actuators.
- The control of rotary speed of actuator is accurate, consistent and safe without fluctuation.

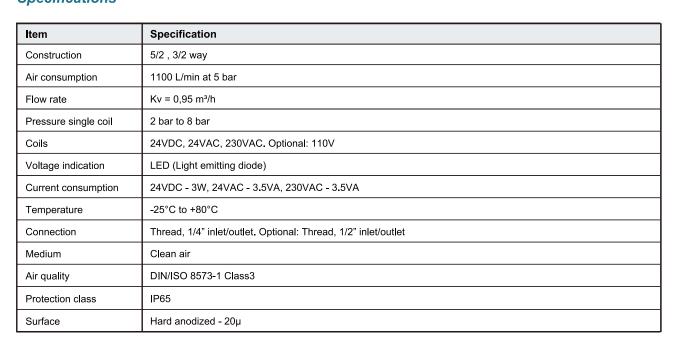


Fig.577 In-line solenoid valve

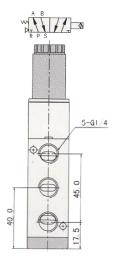
Features

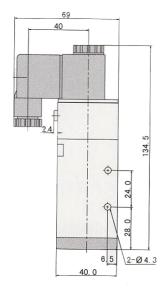
- Robust industrial 5/2 and 3/2 way solenoid valve.
- Low power consumption and long service life.
- Thread type for direct mounting on actuators.
- Surface is hard anodized as protection against corrosion (20µ).
- Low temperature construction.
- Manual operation for use in testing or when lack of supply voltage.
- The spring affected piston ensures that the solenoid valve returns to its starting point at power failure.
- 100% quality control. Each solenoid valve is function tested and pressure tested.
- CE approved.





Dimensions - 1/4"





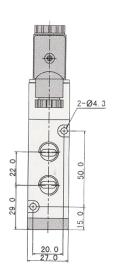






Fig.578 In-line solenoid valve - Explosion proof

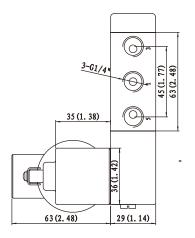
Features

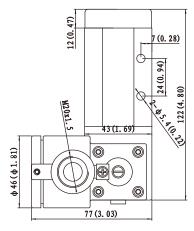
- Robust industrial in-line solenoid valve.
- Body and coil material are available in both extruded aluminium and SS316.
- Excellent for usage in hazardous area with explosion proof II 2G Ex db IIC T6 Gb.
- Designed with "environmentally-protected structure", offer excellent environmental protection against the ingress of liquilds, dusts or other foreign matters.
- Manuel operation for use in testing or when lack of supply voltage.
- 100% quality control. Each solenoid valve is function tested and pressure tested.
- CE approved.



Specifications

Item	Specification
Valve body material	Extruded aluminium
Coil material	Die-casting aluminium
Seal	NBR
Construction	5/2, monostable, pilot operation
Flow capacity	$Cv = 1.1 (19.63 \text{mm}^2)$
Air ports	1/4" BSPP or NPT
Assembly	In-line, manual override on body
Fasteners	Stainless steel
Medium temperature	-20℃~+80℃
Environment	Indoor and outdoor
Working pressure	2bar~8bar
Working medium	Less than 40µm filtered and dried air
Working lifetime	More than 1,000,000 cycles (under normal working conditions)
Operating voltage	12/24/48VDC-3.5W, 110/220/240VAC-4VA (50/60Hz)
Wiring connector	M20×1.5 or 1/2"NPT
Coil insulation protection	F class coil (H class on required)
Weather proof	IP67
Explosion proof	II 2G Ex db IIC T6 Gb
Coil operating temperature	-20℃~+60℃





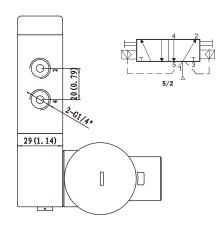




Fig.585 Intelligent positioner

Features

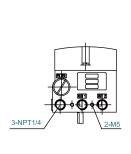
- Full digital control, reliability, stability, small size and light weight.
- Convenient for adjustment by simple buttons.
- Simple function setting, convenient for the transform of positive action and counter action, valve open and close.
- Intelligent control. It can give analysis, alarm and optimization when medium fluctuation, span excess, actuator leakage occur.

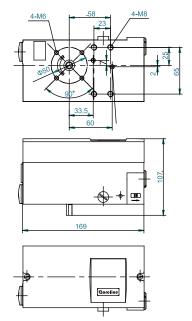


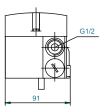
Specifications

Item	Specification	
Input signal	4~20mA. Can set up between 20%~100% when by span to zero adjustment	
Rated voltage	24VDC	
Impedance	310Ω (20mA, 6.2VDC)	
Output pressure	0~6bar	
Output signal supply voltage	24VDC	
Signal range	0~20% (If below this range, positioner will put the pneumatic actuator off)	
Rated travel	25~120°(Rotary); 25~60° (Linear)	
Air consumption	<0.03kg/h	
Action type	Direct: signal 4~20mA, position 0~100%; Reverse: signal 20~4mA, position 0~100%	
Characteristic	Line; Equal percentage 1:25; Equal percentage 1:50; Equal percentage 25:1	
Precision	≤0.1%	

Dimensions







Available

Hart protocal type available on request.

Other brands like ABB, Siemens are also available with comperative prices.







Fig. 586 Electro-pneumatic positioner

Features

- Convenient to change between direct action and back action, or change between spring return and double acting.
- Low air consumption, easy to operate the Zero Adjust and Span Adjust, quick acting and simple to connect the feedback lever.
- Both rotary and linear types can select and install the DC 4~20mA feedback unit.
- No vibration in the range of 5~200Hz.
- Can set 1/2 Split Range with simply operate, do not need to change part.
- Zero & Span adjustment process is simple.
- Acting fast and accurately.
- Economical due to less air-consumption.
- Small pneumatic actuator can use the orifice of pilot valve to avoid vibration.



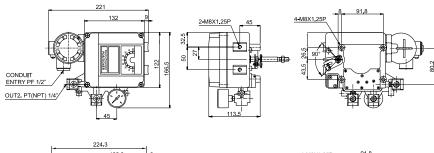


Specifications

Item	Specification			
Input signal	4~20mA DC			
Impedance	250±15Ω			
Supply pressure	1.4bar~7bar			
Stroke	0~90°(Rotary); 10~150mm (Linear)			
Air connection	1/4"PT (NPT)			
Gauge connection	1/8"PT (NPT)			
Conduit	1/2" (G1/2")			
	Exia II CT6			
Explosion proof	Exd BT6			
	Exd II CT6			
Protection	IP66			
Ambient temperature	-20℃~+70℃ (Operating); -20℃~+60℃ (Explosion)			
Hysteresis	±1% F.S.			
Repeatability	±0.5% F.S.			
Material	Aluminium die-casting			
Weight	2.7kg			

Dimensions

Rotary Type Dimension



Linear Type Dimension

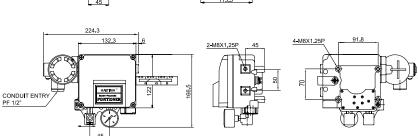




Fig.530 Air regulator

Features

- Compact pressure gauge save installation space (circular pressure gauge is optional).
- The pressed-in locking mechanism prevent changes in pressure.
- Balanced design is adopted for the pressure adjustment mechanism.
- Prepared for panel installation, and bracket is included for optional installation.
- Lower pressure type is optional.

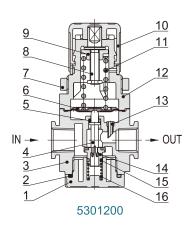


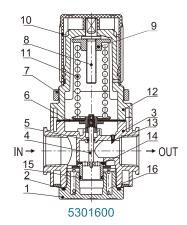


Specifications

Model	5301200-06	5301200-08	5301300-08	5301300-10	5301300-15	5301400-10	5301400-15	5301600-20	5301600-25
Fluid		Air							
Port size	1/8"	1/4"	1/4"	3/8"	1/2"	3/8"	1/2"	3/4"	1"
Pressure range		0.5bar~9bar (7psi~130psi)							
Max. pressure		10bar (145psi)							
Proof pressure		15bar (215psi)							
Temperature range	-20℃~+70℃								
Weight	160g 350g 720g 1700g					00g			

Material part list





No.	Part name	Material	No.	Part name	Material
1	Valve cap	Aluminium alloy		Regulator nut	Steel
2	O-ring	NBR		Pressure knob	РОМ
3	Body	Aluminium alloy	11	Pressure spring	SWC
4	Spool	Brass (530600)/POM (others)	12	Adjusting seat	Aluminium alloy(530600)/POM (others)
5	O-ring	NBR	13	Feedback tube	РОМ
6	Diaphragm	SS304+rubber	14	Pressure plug	Brass+steel
7	Fixed ring	Aluminium alloy(530600)/POM (others)	15	O-ring	NBR
8	Adjusting spindle	Steel	16	Spring	Stainless steel



Fig.530 Filter/Regulator-Lubricator

Features

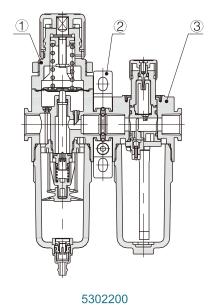
- Quick and reliable mounting clamps makes it convenient to install and use
- The performance of the pressure adjustment is reliable with high precision.
- The efficiency of eliminating moisture and solid grain is high.
- Three drain types are available: munual drain, semi-auto drain and automatic drain.

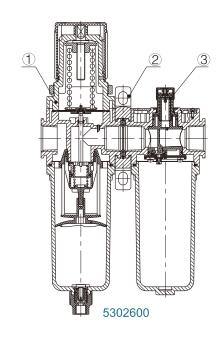


Specifications

Model	5302200-06	5302200-08	5302300-08	5302300-10	5302300-15	5302400-10	5302400-15	5302600-20	5302600-25
Fluid		Air							
Port size	1/8"	1/4"	1/4"	3/8"	1/2"	3/8"	1/2"	3/4"	1"
Filtering grade		40μm or 5μm							
Pressure range	Se	Semi-auto and automatic drain:1.5bar~9bar (20psi~130psi); Manual drain: 0.5bar~9bar (7psi~130psi)							
Max. pressure		10bar (145psi)							
Proof pressure					15bar (215psi)			
Temperature range					-5℃~+70℃				
Capacity of drain bow	10	CC		40CC		80	СС	230	OCC
Capacity of oil bowl	25	25CC 75CC 160CC 380CC							
Recommend lubricant		ISO VG 32 or equivalent							
Weight	43	30g		980g		198	50g	433	20g

Construction





No.	1	2	3
Part name	Filter-regulator	Bracket	Lubricator



Fig.530 Filter-Regulator-Lubricator

Features

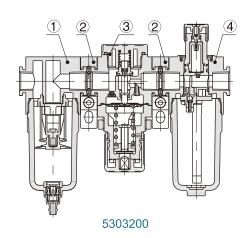
- Oil dripping adopts gap seal structure, which makes the adjustment of oil supply more reliable.
- Oil fee ring can only make one full turn. The quantity of oil supply, basically taking on linear distribution. The quantity of oil supply can be generally calculated according to the position of graduation ring.
- Filling of oil while the lubricator is under pressure is made possible.
- Special drip nozzle structure will produce negative pressure in oil dripping outlet and the mist flow is minimal.
- Quick and reliable mounting clamps makes it convenient to install and use.
- Reliable performance of pressure adjustment with high precision.
- The efficiency of eliminating moisture and solid grain is high.
- Three drain types are available: manual drain, semi-auto drain and automatic drain.

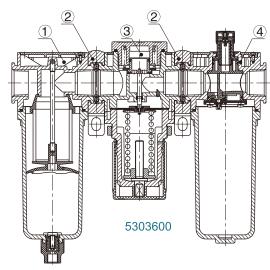


Specifications

Model	5303200-06	5303200-08	5303300-08	5303300-10	5303300-15	5303400-10	5303400-15	5303600-20	5303600-25
Fluid		Air							
Port size	1/8"	1/4"	1/4"	3/8"	1/2"	3/8"	1/2"	3/4"	1"
Filtering grade		40μm or 5μm							
Pressure range	Se	Semi-auto and automatic drain:1.5bar~9bar (20psi~130psi); Manual drain: 0.5bar~9bar (7psi~130psi)							
Max. pressure		10bar (145psi)							
Proof pressure					15bar (215psi)			
Temperature range					-5℃~+70℃				
Capacity of drain bow	10	CC		40CC		80	СС	230	OCC OCC
Capacity of oil bowl	25	25CC 75CC 160CC 380CC							
Recommend lubricant		ISO VG 32 or equivalent							
Weight	58	80g		1300g	2360g		5550g		

Construction





No.	1	2	3	4
Part name	Filter	Bracket	Regulator	Lubricator



Fig.590 Pneumatic silencers and fittings

Name	Туре	Size	Picture
	BSL01	1/8"	
	BSL02	1/4"	
Description on	BSL03	3/8"	
Brass silencer	BSL04	1/2"	
	BSL06	3/4"	
	BSL08	1"	
	BSLM01	1/8"	
	BSLM02	1/4"	
Nickel coated plain silencer	BSLM03	3/8"	()))))
	BSLM04	1/2"	
	BSLM06	3/4"	
	PSL01	1/8"	
	PSL02	1/4"	MINISTER STATE OF THE STATE OF
Plastic silencer	PSL03	3/8"	
	PSL04	1/2"	J immanimi Jill
	PSL06	3/4"	
	BESL01	1/8"	
	BESL02	1/4"	
	BESL03	3/8"	
	BESL04	1/2"	
	BESL06	3/4"	
Brass speed control	BESLC01	1/8"	
	BESLC02	1/4"	Thinns of the same
	BESLC03	3/8"	
	BESLC04	1/2"	o Kilili
	BESLC06	3/4"	
	ISD01	1/8"	
Paragraph 1 1 1 1 11	ISD02	1/4"	A North
Brass speed control with spring	ISD03	3/8"	0.48
	ISD04	1/2"	
Nickel coated vins comments		1/4"	
Nickel coated pipe connector		1/2"	
Niekel eested Laws size assured		1/4"	
Nickel coated L type pipe connector		1/2"	9 L 10

Note: Please contact us if other types are required.



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