

Single air unit

Overview

Air unit components can be easily added on to existing units and can be conveniently purchased during maintenance.

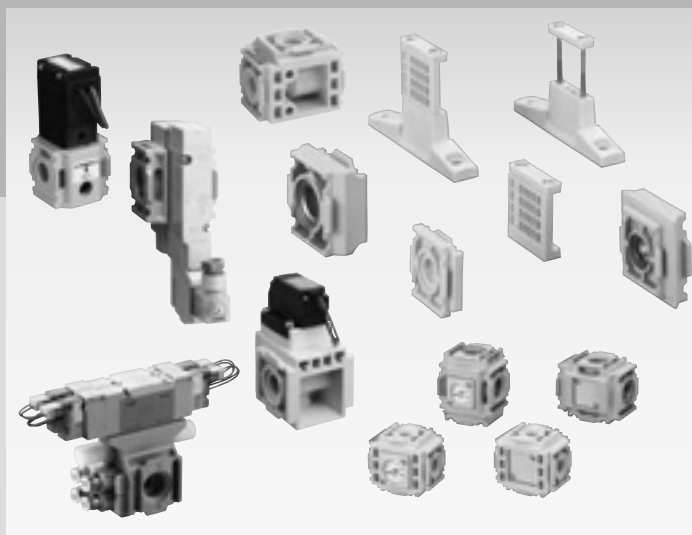
Also, general components can be purchased together and assembled with air unit components.

Features

- (1) Module connection of solenoid valves
2-port and 5-port valves can be connected to conventional FRL components.
- (2) Easy connection using a joiner
Conventional piping materials and tubes are not used, so there is no possibility of foreign objects entering or pressure loss.
- (3) Various module components
Modules can be split into four directions, twisted 90 degrees, or resized.

Descriptions of icons

- (1) Gasket connection on the IN side
 A gasket is required for connecting module concavities.
- (2) Cannot be used at terminals
 Since no port thread is provided, a masking adaptor or pipe adaptor is required for use at terminals.
- (3) Easy to expand stations
 IN structures are used on both sides of the module connection section, making it easy to expand stations.
- (4) Main inline
 The component can be used as main inline. This structure is incompatible with the expandable type.



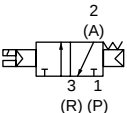
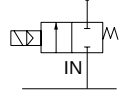
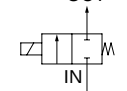
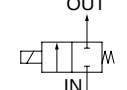
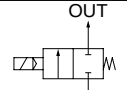
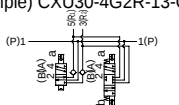
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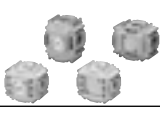
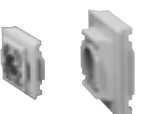
Series variation

Single air unit

[Solenoid valve]

Series	Major applications	JIS symbol	Model No.	
● Shut-off 3-port solenoid valve  Module dedicated Inline	For modular component Master valve		CXU30-VE	
● Pilot operated 2-port solenoid valve  IN gasket Expandable No thread open	For air blow		CXU10-EXA	
● Direct acting 2-port solenoid valve  IN gasket Expandable No thread open	For air blow		CXU10-FAB3	
● Direct acting 2-port solenoid valve  IN gasket Expandable No thread open	For air blow		CXU30-FAB4U	
● Pilot kick 2-port solenoid valve  No thread open Inline	Main ON/OFF		CXU30-ADK	
● Pilot operated 5-port valve  IN gasket Expandable No thread open	For driving cylinder	(Example) CXU30-4G2R-13-C6-B-1 	CXU30-4G2R	

[Distributor, adaptor]

Series	Major applications	Applications	Model No.	
● Module check valve  IN gasket No thread open	Reverse flow prevention		CXU10-CHV	
● 4-way distributor  IN gasket No thread open *2	4-way branch		CXU10-D4	
			CXU30-D4	
● Turn adaptor  IN gasket No thread open	Turning the module 90°		CXU10-TA	
			CXU30-TA	
● Masking adaptor 	Masking the module		CXU10-MA	
● Module conversion adaptor  IN gasket No thread open	Combination of 1000 Series and 3000 Series		CXU13-CA	
	Connecting 4000 Series and 8000 Series		CXU48-CA	

*1: Effective cross-sectional area S and sonic conductance C are converted as $S \approx 5.0 \times C$.

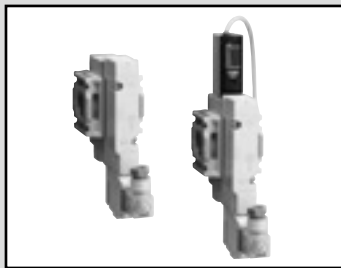
	Module		Port size (OUT)							Flow characteristics C[dm ³ /(s·bar)] *1	Page
	1000 Series	2000 3000 Series 4000	ø4	ø6	ø8	1/8	1/4	3/8	1/2		
		●								7	1020
	●			●	●					1.4 to 3.2	1026
	●			●	●					1.2	1028
		●					●			2.1	1030
		●								11	1032
		●	●	●	●					2.2 to 2.7	1034

*2: There is a port size for CXU30-D4.

	Module			Port sz	Description Page
	1000 Series	2000 3000 Series 4000	6000 8000 Series	3/8	
	●				1040
	●				1042
		●		●	
	●				1044
		●			
	●				1045
	●				1046
		●			

F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain Separ
Mech Press SW
Res press exh valve
SlowStart
Anti-bac/Bac-remove Filtr
Film Resist FR
Oil-ProhR
Med Press FR
No Cu/ PTFE FRL
Outdrs FRL
Adapter Joiner Press Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/ other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro Press SW
ContactSW
AirSens
PresSW Cool
Air Flo Sens/Ctrl
WaterRISens
TotAirSys (Total Air)
TotAirSys (Gamma)
Gas generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg etc
Ending

F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain
Separ
Mech
Press SW
Res press
exh valve
SlowStart
Anti-bac/Bac-
remove Filtr
Film
Resist FR
Oil-Prohr
Med
Press FR
No Cu/
PTFE FRL
Outdrs FRL
Adapter
Joiner
Press
Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneR
AirBoost
Speed Ctrl
Silncr
CheckV/
other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro
Press SW
ContactSW
AirSens
PresSW
Cool
Air Flo
Sens/Ctrl
WaterRtSens
TotAirSys
(Total Air)
TotAirSys
(Gamma)
Gas
generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg
etc
Ending



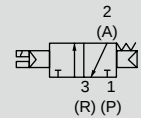
Shut-off 3-port solenoid valve

CXU30-VE Series

Shut-off 3-port solenoid valve
capable of modular connection
with 2000, 3000 and 4000 Series

Suitable for modular component master valves

JIS symbol



Module
dedicated

RoHS

Inline

Common specifications

Item		Description	
Configuration		Without pressure switch	With pressure switch
Valve and operation		Pilot operated soft spool valve	
Working fluid		Compressed air	
Max. working pressure MPa		0.7 (≈100 psi, 7 bar)	
Min. working pressure MPa		0.2 (≈29 psi, 2 bar)	
Proof pressure MPa		1.05 (≈150 psi, 10.5 bar)	
Fluid temperature °C		5 (41°F) to 55 (131°F)	
Ambient temperature °C		-5 (23°F) to 55 (131°F) (no freezing)	5 (41°F) to 55 (131°F) (no freezing)
Atmosphere		Place free of corrosive gas/explosive gas and not exposed to water	
Port size	P-port	Rc1/2 (capable of connection with 2000, 3000 and 4000 Series)	
	A-port	For module only (2000, 3000 and 4000 Series)	
	R-port	Rc1/4	
Manual operating device		Non-locking/locking common	
Pilot exhaust method		Main valve/pilot valve individual exhaust	
Lubrication *1		Not required	
Degree of protection *2		Dust-proof	
Vibration/impact m/s ²		50 or less/294 or less	
Effective cross-sectional area	P→A mm ²	35	
	A→R mm ²	20	
Weight (excluding joiner) kg *3		0.38	0.45

*1: Use turbine oil Class 1 ISO VG32 for lubrication. Excessive or intermittent lubrication results in unstable operation.

*2: Avoid water drops or oil, etc., during use.

IP65 (jet-proof) applies for DIN terminal box specifications. However, the specified outer diameter of the applicable cord and tightening torque must be used for fixing in place.

*3: Weight with the DIN terminal box is +0.02kg.

Solenoid valve specifications

Item		Description
Rated voltage V	DC	24
	AC	100
Rated voltage fluctuation range		±10%
Holding current A	24 VDC	0.017
	100 VAC	0.009
Power consumptionW	24 VDC	0.4
Apparent powerVA	100 VAC	0.98
Thermal class		B
Surge suppressor		Standard
Indicator		With indicator lamp (standard)
Wiring		E20 : oil resistant vinyl cabtyre cable B : DIN terminal box (VCTF 2(3) core (ø3.5 to 7) specified in the applicable dimensions for cable JIS C 3306) B2 : DIN terminal box with M12 connector cable (oil resistant vinyl cabtyre cable)

Pressure switch specifications

Item	Description
Set pressure range MPa	0.1 (≈15 psi, 1 bar) to 0.6 (≈87 psi, 6 bar)
Hysteresis MPa	0.08 (≈12 psi, 0.8 bar) or less
Repeatability MPa	±0.02 (≈2.9 psi, 0.2 bar) or less
Contact array	1a *4
Wiring	E20, B: Lead wire (oil resistant vinyl cabtyre cable 2-conductor 0.2 mm ²) B2: Lead wire (oil resistant vinyl cabtyre cable) + M12 connector
Degree of protection	IP65 equiv. *5

*4: The contact turns ON if air pressure exceeding the scale set pressure is applied.

*5: The fitting that comes with the product should be used for the atmospheric pressure inlet port, and the tube should be extended to a spot where no water will enter.

Pressure switch wiring section specification

Item	Description
Load voltage	24 VDC 100 VAC
Load current	5 to 50 mA 7 to 20 mA
Internal voltage drop	3V or less
Lamp	LED (Lit when ON)
Insulation resistance	20 MΩ and over at 500 VDC megger
Withstand voltage	No failure after 1 minute of 1,000 VAC application.

How to order

CXU30-VE-00-**P****X1**-**E20****S**-**3**

A Model No.

B Pressure switch option

C Flow direction option

D Electrical connections

E Option

F Rating voltage

⚠ Precautions for model No. selection

*1: Only the rated voltage [3] is available for the electrical connection [B2].

*2: The joiner set (joiner, bolt, O-ring) and one gasket are enclosed.

*3: The length of the lead wire for the pressure switch is 1 m.

*4: The product comes with a fitting for the atmospheric pressure inlet port of the pressure switch.

Code	Description
B Pressure switch option	
Blank	Without pressure switch
P	With pressure switch
C Flow direction option	
Blank	Standard flow (left → right)
X1	Reverse flow (right → left)
D Electrical connections	
B	DIN terminal box (Pg7) with surge suppressor and indicator lamp
E20	E type connector, lead wire (500 mm) with surge suppressor and indicator lamp
B2	DIN Term box-M12 300 mm cable, surge suppress, indicator lamp *1
E Option	
Blank	None
S	Silencer (SLW-8L) attached
F Rated voltage *1	
1	100 VAC (rectifier integrated)
3	24 VDC

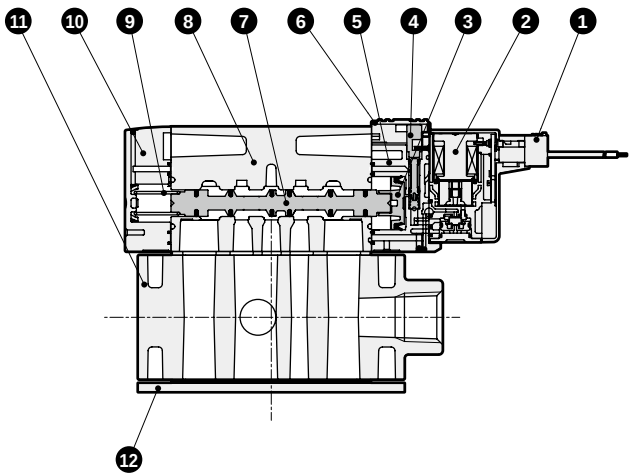
F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain Separ
Mech Press SW
Res press exh valve
SlowStart
Anti-bac/Bac-remove Filt
Film Resist FR
Oil-ProhR
Med Press FR
No Cu/ PTFE FRL
Outdrs FRL
Adapter Joiner Press Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/ other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro Press SW
ContactSW
AirSens
PresSW Cool
Air Flo Sens/Ctrl
WaterRiSens
TotAirSys (Total Air)
TotAirSys (Gamma)
Gas generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg etc
Ending

CXU30-VE Series

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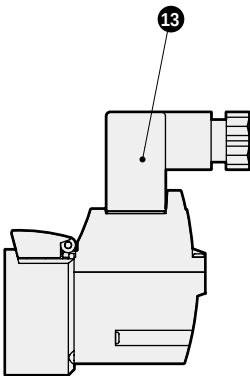
Internal structure and parts list

● E type connector

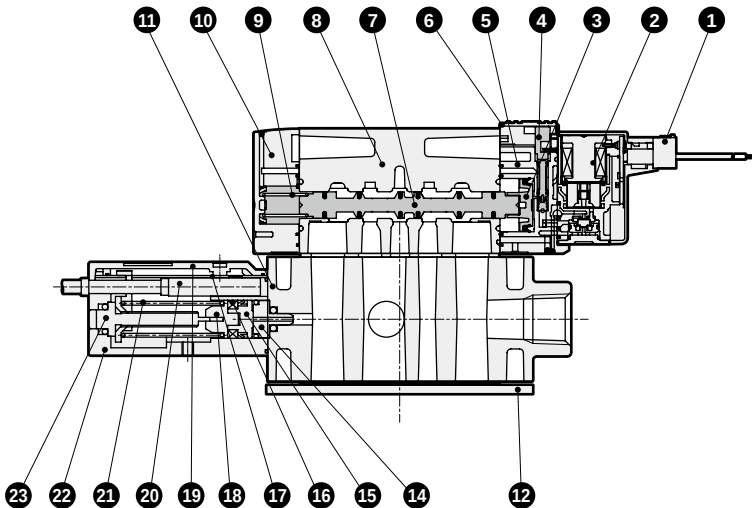


No.	Part name	Material
1	E type connector socket assembly	-
2	Coil assembly	-
3	Piston D assembly	-
4	Manual operating device	Resin
5	Piston chamber	Resin
6	Manual protection cover	Resin
7	Spool assembly	-
8	Body	Aluminum alloy die-casting
9	Spool spring	Stainless steel
10	Cap	Resin
11	Module sub-base	Aluminum alloy die-casting
12	Masking plate	Steel plate
13	DIN terminal box assembly	-
14	Adaptor	Copper alloy
15	Piston	Resin
16	Magnet	-
17	Shield plate	Steel plate
18	Stopper	Resin
19	Plate	Resin
20	Cylinder switch	-
21	Spring	Piano wire
22	Body	Aluminum alloy die-casting
23	Screw	Steel

● DIN terminal box B



● Pressure switch P

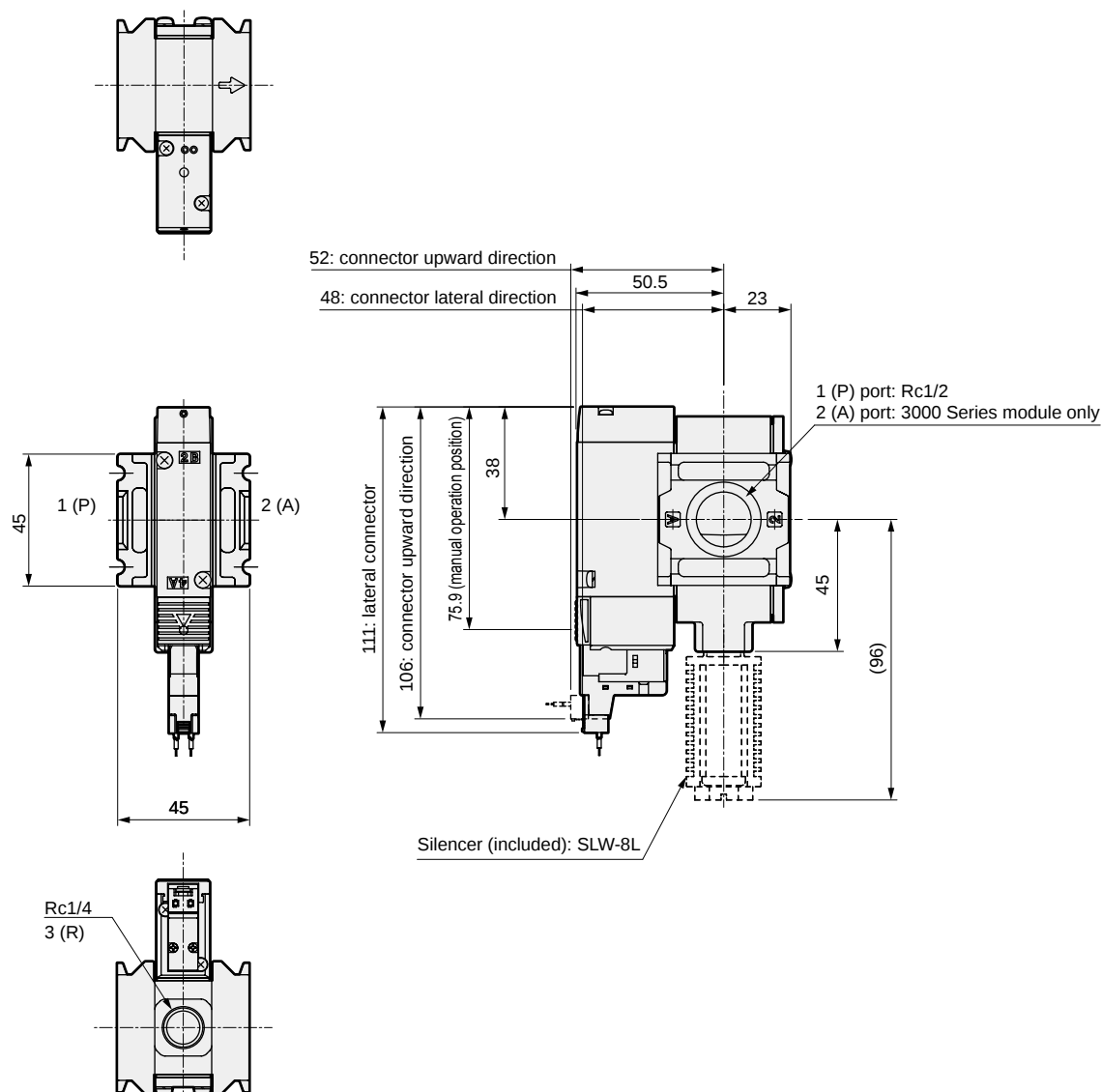


CXU30-VE Series

Internal structure and parts list

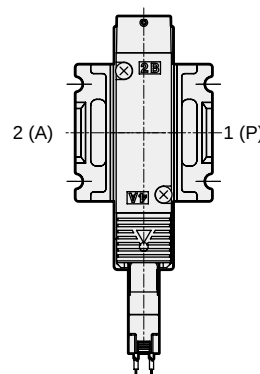
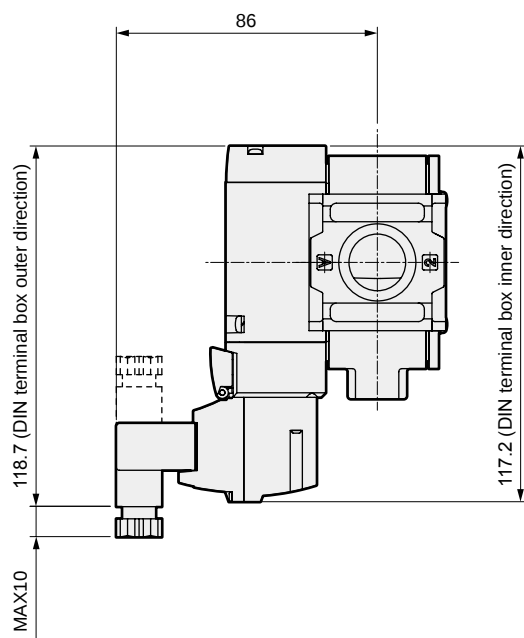
Dimensions

● E type connector



● DIN terminal box B

● Flow direction X1



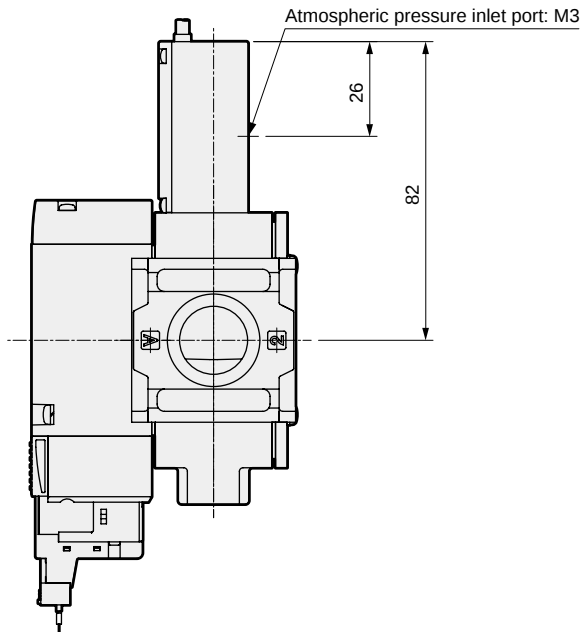
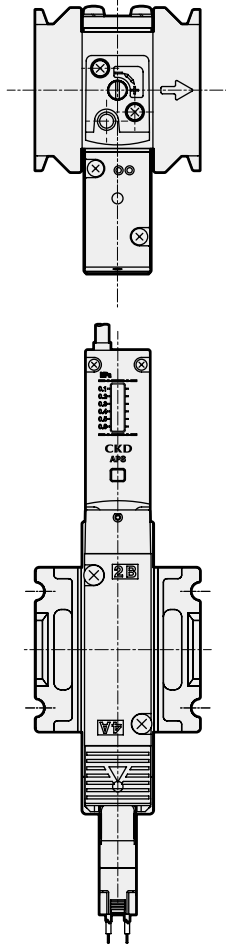
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TotAirSys (Total Air)
TotAirSys (Gamma)
Gas generator
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DesicDry
HiPolymDry
MainFiltr
Dischrg etc
Ending

CXU30-VE Series

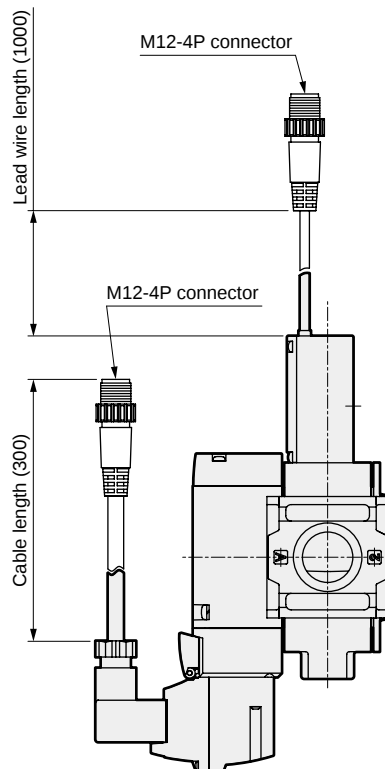
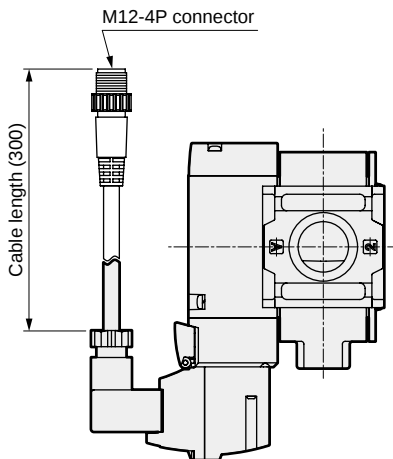
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Gas generator
RefrDry
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MainFiltr
Dischrg etc
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Dimensions

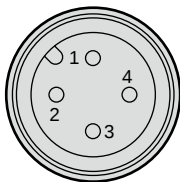
● Pressure switch P



● DIN terminal box with M12 connector cable B2 / Pressure switch P-B2



Pin array (common to DIN terminal box and pressure switch)



PIN No.	Applications
1PIN	(Not used)
2PIN	(Not used)
3PIN	Power supply -
4PIN	Power supply +

F.R.L.
F.R.
F (Filtr)
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LgFRL
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Clean FR
ElecPneuR
AirBoost
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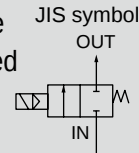
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Drain
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Press SW
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exh valve
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Film
Resist FR
Oil-ProhR
Med
Press FR
No Cu/
PTFE FRL
OutdrS FRL
Adapter
Joiner
Press
Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneur
AirBoost
Speed Ctrl
Silncr
CheckV/
other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro
Press SW
ContactSW
AirSens
PresSW
Cool
Air Flo
Sens/Ctrl
WaterRtSens
TotAirSys
(Total Air)
TotAirSys
(Gamma)
Gas
generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg
etc
Ending



Pilot operated 2-port solenoid valve for compressed air

CXU10-EXA Series

NC (open when energized), diaphragm drive
Modular connection with 1000 Series enabled
Ideal for modular component blow valves



No thread
open

IN
gasket

Specifications

Item	CXU10-EXA			
Working fluid	Compressed air			
Working pressure differential MPa	0.01 (≈1.5 psi, 0.1 bar) to 0.7 (≈100 psi, 7 bar)			*4
Max. working pressure MPa	0.7 (≈100 psi, 7 bar)			
Proof pressure MPa	1.05 (≈150 psi, 10.5 bar)			
Fluid temperature °C	0 (32°F) to 55 (131°F)			
Ambient temperature °C	-5 (23°F) to 55 (131°F)			
Atmosphere	Place free of corrosive gas/explosive gas and not exposed to water			
Valve structure	Pilot operated diaphragm drive			
Valve section leakage cm³/min	10 or less			
Mounting orientation	Unrestricted			
Port size (IN)	None			
Connecting wire bore size (OUT)	Push-in fitting ø6	Radial push-in fitting ø6	Push-in fitting ø8	Radial push-in fitting ø8
C[dm³/(s·bar)] *2	1.6		3.0	
b	0.37		0.32	
Weight kg *3	0.098	0.095	0.098	0.1
Electrical specifications				
Rated voltage	100 VAC (50/60 Hz), 24 VDC *1			
Apparent power VA	1.2			
Power consumption W	DC 0.6			
Thermal class	B			
Degree of protection (IEC Standard 529)	Lead wire: IPX0, with DIN terminal box: IPX5			

*1: The voltage fluctuation range is ±10%.

*2: Effective cross-sectional area S and sonic conductance C are converted as $S \approx 5.0 \times C$.

*3: Weight with the DIN terminal box is +0.02 kg.

*4: When using with an extremely small flow rate or when the solenoid valve's secondary side is restricted, set the pressure so that the pressure difference does not fall below 0.01 MPa with the valve opened. (Refer to precautions on pages 1051 to 1055.) Contact CKD if the differential pressure before/after the solenoid valve with the valve opened is small.

How to order

CXU10-EXA - C6 - 2C - 1



A Port size (OUT)

B Coil option

C Voltage

⚠ Precautions for model No. selection

Note: The joiner set (joiner, bolt, O-ring) and one gasket are enclosed.

Coil option	Voltage	
	1	3
2C	●	●
2H	●	
2HS		●

Select from the combinations indicated with ● above.

Code	Description	
A Port size (OUT)		
C6	ø6 push-in fitting	
CL6	ø6 radial push-in fitting	
C8	ø8 push-in fitting	
CL8	ø8 radial push-in fitting	
B Coil option *1, *2		
2C	Standard	Lead wire (without surge suppressor)
2H	Option	DIN terminal box (Pg7), with lamp (inside terminal box)
2HS		DIN terminal box (Pg7), with lamp/ surge suppressor (inside terminal box)
C Voltage *1		
1	100 VAC 50/60 Hz	
3	24 VDC	

*1: Refer to the table on the left for the available coil option and voltage combinations.

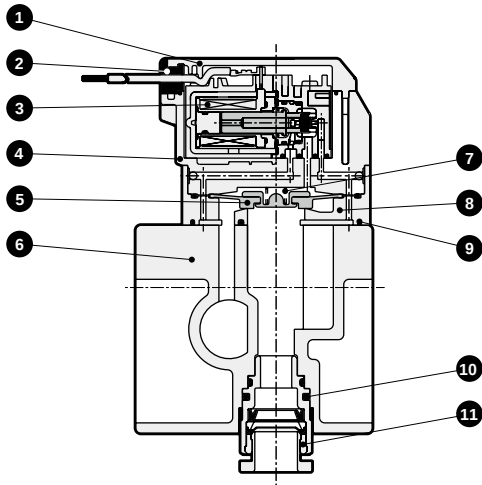
*2: Contact CKD for models with M12 connector cables.

CXU10-EXA Series

Internal structure and dimensions

Internal structure and parts list

● CXU10-EXA



No.	Part name	Material
1	Cover (*1)	Polybutylene terephthalate
2	Bush	Nitrile rubber
3	Coil assembly	-
4	Body	Polyphenylene sulfide
5	Diaphragm assembly	Hydrogenated nitrile rubber/polyphenylene sulfide
6	Body	Polyamide resin
7	Spring	Stainless steel
8	Valve body	Polybutylene terephthalate
9	Gasket	Hydrogenated nitrile rubber
10	Pin	Stainless steel
11	Cartridge fitting	

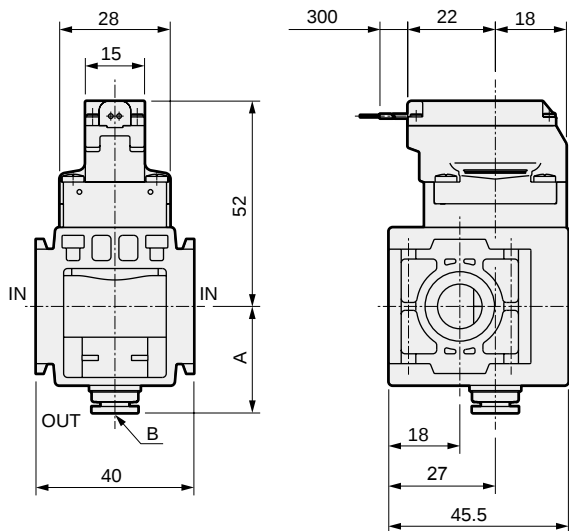
*1: Polyamide resin is used when the DIN terminal box is attached.

Dimensions

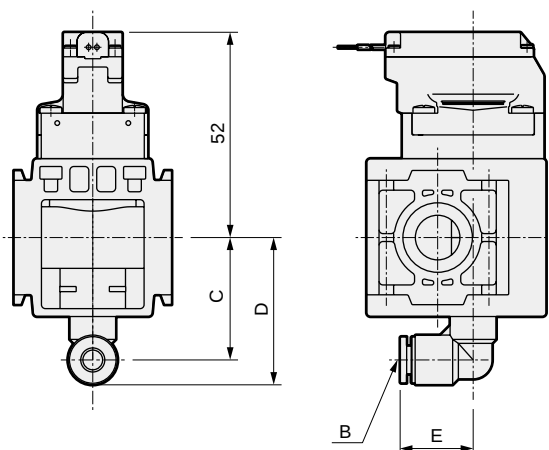
● Grommet lead wire

CXU10-EXA-*-2C-*

Cartridge fitting: Straight

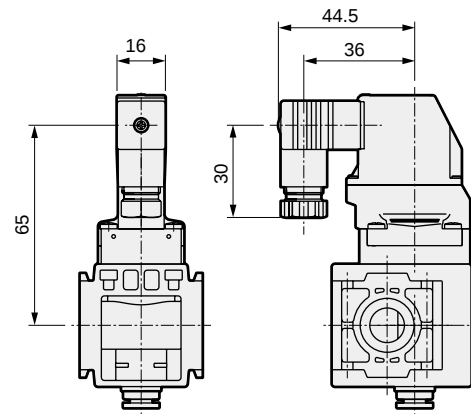


Cartridge fitting: Elbow



● With DIN terminal box (Pg7)

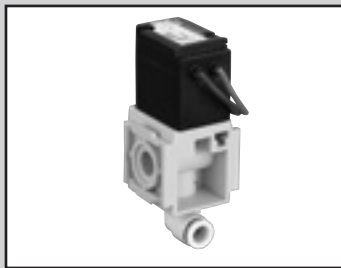
CXU10-EXA-*-2HS-*



Optional dimensions table

Option	A	B	C	D	E
C6	27	Push-in fitting ø6	-	-	-
CL6	-	Push-in fitting ø6	31	37	18.5
C8	27	Push-in fitting ø8	-	-	-
CL8	-	Push-in fitting ø8	32	39	21

F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain
Separ
Mech
Press SW
Res press
exh valve
SlowStart
Anti-bac/Bac-
remove Filt
Film
Resist FR
Oil-Prohr
Med
Press FR
No Cu/
PTFE FRL
Outdrs FRL
Adapter
Joiner
Press
Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneUR
AirBoost
Speed Ctrl
Silncr
CheckV/
other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro
Press SW
ContactSW
AirSens
PresSW
Cool
Air Flo
Sens/Ctrl
WaterRtSens
TotAirSys
(Total Air)
TotAirSys
(Gamma)
Gas
generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg
etc
Ending



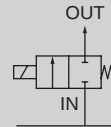
Direct acting 2-port solenoid valve

CXU10-FAB3 Series

NC (open when energized)

Modular connection with 1000 Series
enabled Ideal for modular component
blow valves

JIS symbol



RoHS

CAD

No thread
open

IN
gasket

Expandable

Specifications

Item	CXU10-FAB3	
Working fluid	Compressed air	
Working pressure differential MPa	AC:0 (≈0 psi, 0 bar) to 1.0 (≈150 psi, 10 bar), DC:0 (≈0 psi, 0 bar) to 0.6 (≈87 psi, 6 bar)	
Max. working pressure MPa	1.0 (≈150 psi, 10 bar)	
Proof pressure MPa	1.5 (≈220 psi, 15 bar)	
Fluid temperature °C	AC:5 (41°F) to 60 (140°F), DC:5 (41°F) to 40 (104°F)	
Ambient temperature °C	AC:5 (41°F) to 60 (140°F), DC:5 (41°F) to 40 (104°F)	
Atmosphere	Place free of corrosive gas/explosive gas and not exposed to water	
Valve structure	Direct acting poppet structure	
Valve section leakage cm³/min	10 or less	
Mounting orientation	Unrestricted	
Port size (IN)	None	
Orifice size mm	3	
C[dm³/(s·bar)]	*1	
b	0.56	
Weight kg	0.25	
Electrical specifications		
Rated voltage		100 VAC, 24 VDC
Rated power VA	50 Hz	When holding: 7.5, when starting: 20
	60 Hz	When holding: 5.5, when starting: 17
Power consumption W	50 Hz	4.0
	60 Hz	3.4
	DC	6.5
Thermal class		B

*1: Effective cross-sectional area S and sonic conductance C are converted as $S \approx 5.0 \times C$.

How to order

CXU10-FAB3 - C6 - 2C - 3

A Port size (OUT)

B Coil option

C Rated voltage

Code	Description
A Port size (OUT)	
C6	ø6 push-in fitting
CL6	ø6 radial push-in fitting
C8	ø8 push-in fitting
CL8	ø8 radial push-in fitting
B Coil option	
2C	Grommet lead wire
2HS	DIN terminal box with lamp/surge suppressor (Pg11)
C Rated voltage	
1	100 VAC 50/60 Hz, 110 VAC 60 Hz
3	24 VDC

⚠ Precautions for model No. selection

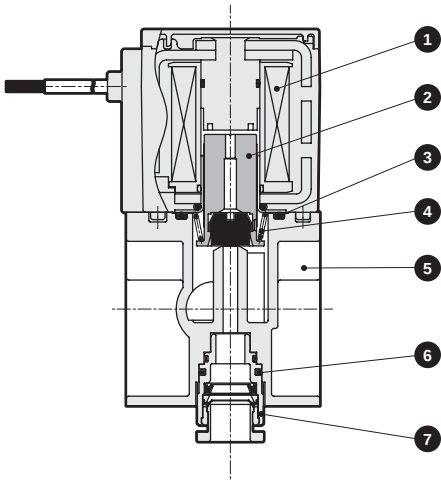
Note: The joiner set (joiner, bolt, O-ring) and one gasket are enclosed.

CXU10-FAB3 Series

Internal structure and dimensions

Internal structure and parts list

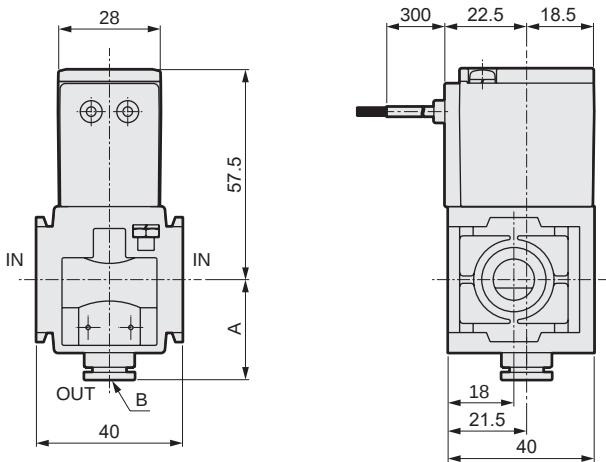
● CXU10-FAB3



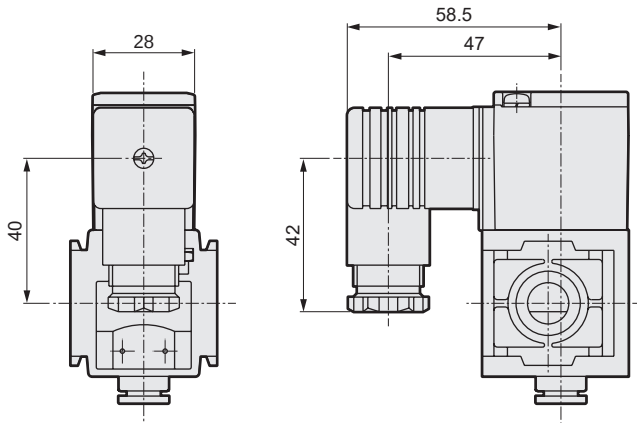
No.	Part name	Material
1	Coil assembly	Class B molded coil
2	Plunger assembly	Stainless steel, nitrile rubber
3	O-ring	Nitrile rubber
4	Spring	Stainless steel
5	Body	Polyamide resin
6	Pin	Stainless steel
7	Cartridge fitting	

Dimensions

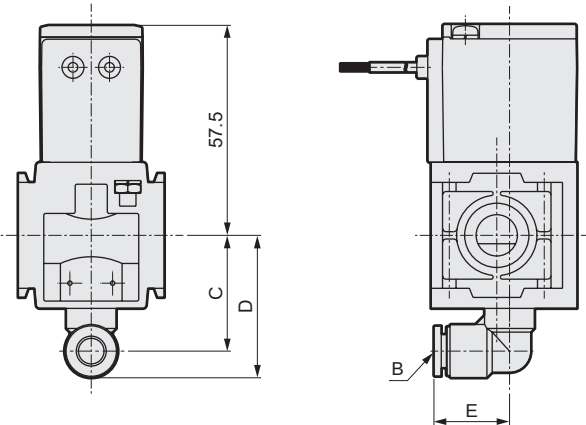
● Grommet lead wire CXU10-FAB3-*-2C-* Cartridge fitting: Straight



● With DIN terminal box (Pg11) CXU10-FAB3-*-2HS-*



Cartridge fitting: Elbow



Optional dimensions table

Option	A	B	C	D	E
C6	27	Push-in fitting ø6	-	-	-
CL6	-	Push-in fitting ø6	31	37	18.5
C8	27	Push-in fitting ø8	-	-	-
CL8	-	Push-in fitting ø8	32	39	21

F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain Separ
Mech Press SW
Res press exh valve
SlowStart
Anti-bac/Bac-remove Filt
Film Resist FR
Oil-ProhR
Med Press FR
No Cu/ PTFE FRL
Outdrs FRL
Adapter Joiner Press Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/ other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro Press SW
ContactSW
AirSens
PresSW Cool
Air Flo Sens/Ctrl
WaterRISens
TotAirSys (Total Air)
TotAirSys (Gamma)
Gas generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg etc
Ending

F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain
Separ
Mech
Press SW
Res press
exh valve
SlowStart
Anti-bac/Bac-
remove Filt
Film
Resist FR
Oil-Prohr
Med
Press FR
No Cu/
PTFE FRL
Outdrs FRL
Adapter
Joiner
Press
Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneR
AirBoost
Speed Ctrl
Silncr
CheckV/
other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro
Press SW
ContactSW
AirSens
PresSW
Cool
Air Flo
Sens/Ctrl
WaterRtSens
TotAirSys
(Total Air)
TotAirSys
(Gamma)
Gas
generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg
etc
Ending



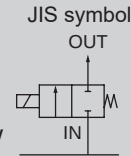
Direct acting 2-port solenoid valve

CXU30-FAB4U Series

NC (open when energized)

Modular connection with 2000, 3000, 4000 Series enabled

Interchangeable with GFAB actuator assembly



No thread
open

IN
gasket

Expandable

Specifications

Item		CXU30-FAB4U
Working fluid		Compressed air
Working pressure differential MPa		AC:0 (≈0 psi, 0 bar) to 1.0 (≈150 psi, 10 bar), DC:0 (≈0 psi, 0 bar) to 0.9 (≈130 psi, 9 bar)
Max. working pressure MPa		1.0 (≈150 psi, 10 bar)
Proof pressure MPa		1.5 (≈220 psi, 15 bar)
Fluid temperature °C		AC:5 (41°F) to 60 (140°F), DC:5 (41°F) to 40 (104°F)
Ambient temperature °C		AC:5 (41°F) to 60 (140°F), DC:5 (41°F) to 40 (104°F)
Atmosphere		Place free of corrosive gas/explosive gas and not exposed to water
Valve structure		Direct acting poppet structure
Valve section leakage cm ³ /min(ANR)		10 or less
Mounting orientation		Unrestricted
Port size	IN	None
	OUT	Rc1/4
Orifice size mm		4
C[dm ³ /(s·bar)] *1		2.1
b		0.34
Weight kg		0.55
Electrical specifications		
Rated voltage		100 VAC, 24 VDC
Rated power VA	50 Hz	When holding: 15, when starting: 40
	60 Hz	When holding: 11, when starting: 35
Power consumption W	50 Hz	7.5
	60 Hz	6.5
	DC	8.0
Thermal class		B

*1: Effective cross-sectional area S and sonic conductance C are converted as $S \approx 5.0 \times C$.

How to order

CXU30-FAB4U-8L - 2C - 3

A Coil option

B Rated voltage

Code	Description
A Coil option	
2C	Grommet lead wire
2HS	DIN terminal box with lamp/surge suppressor (Pg11)
B Rated voltage	
1	100 VAC 50/60 Hz, 110 VAC 60 Hz
3	24 VDC

⚠ Precautions for model No. selection

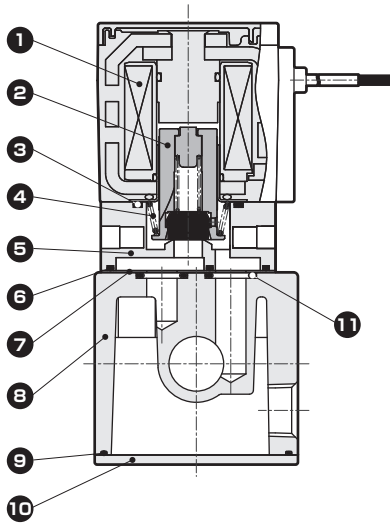
Note: The joiner set (joiner, bolt, O-ring) and one gasket are enclosed.

CXU30-FAB4U Series

Internal structure and dimensions

Internal structure and parts list

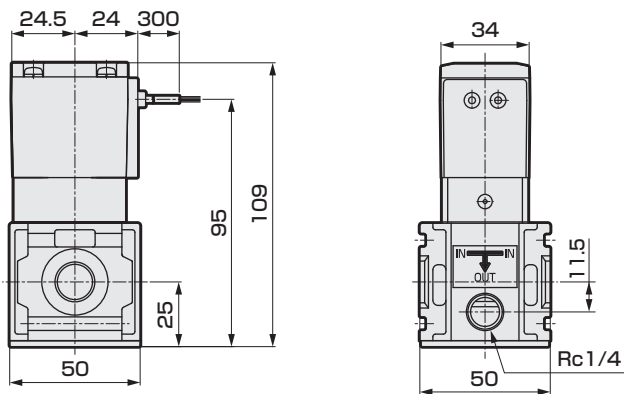
● CXU30-FAB4U



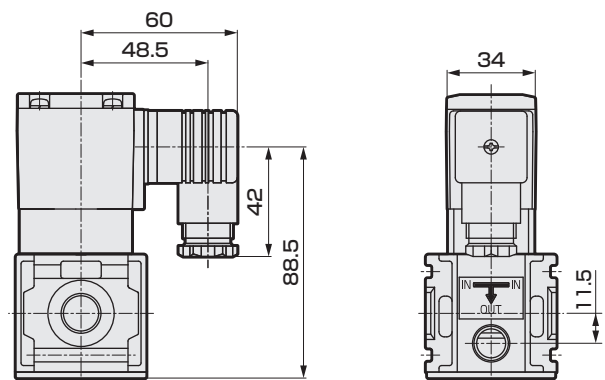
No.	Part name	Material
1	Coil assembly	Class B molded coil
2	Plunger assembly	Stainless steel, nitrile rubber
3	O-ring	Nitrile rubber
4	Spring	Stainless steel
5	Body	Polyphenylene sulfide
6	Gasket	Nitrile rubber
7	Plate	Stainless steel
8	Body	Aluminum die-casting
9	O-ring	Nitrile rubber
10	Base plate	Steel plate
11	O-ring	Nitrile rubber

Dimensions

● Grommet lead wire CXU30-FAB4U-8L-2C-*



● With DIN terminal box (Pg11) type CXU30-FAB4U-8L-2HS-*



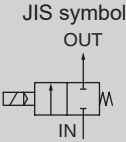


Pilot kick 2-port solenoid valve

CXU30-ADK Series

NC (open when energized)
diaphragm drive

Modular connection with 2000, 3000 and 4000 Series enabled
Suitable for modular component master valve



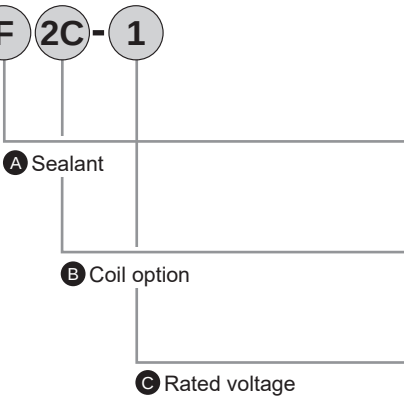
Specifications

Item		CXU30-ADK
Working fluid		Compressed air
Working pressure differential MPa		AC:0 (≈0 psi, 0 bar) to 1.0 (≈150 psi, 10 bar), DC:0 (≈0 psi, 0 bar) to 0.7 (≈100 psi, 7 bar)
Max. working pressure MPa		2 (≈290 psi, 20 bar)
Proof pressure (water pressure) MPa		4 (≈580 psi, 40 bar)
Fluid temperature (*1) °C		Nitrile rubber: -10 (14°F) to 60 (140°F), fluoro rubber: 5 (41°F) to 60 (140°F)
Ambient temperature °C		-10 (14°F) to 60 (140°F)
Atmosphere		Place free of corrosive gas/explosive gas and not exposed to water
Valve structure		Pilot kick poppet, diaphragm drive
Valve section leakage cm³/min		10 or less
Mounting orientation		Unrestricted
Port size		None
Orifice size	mm	12
C[dm³/(s·bar)]	(*2)	10.4
b		0.46
Weight kg		0.65
Electrical specifications		
Rated voltage		100 VAC, 24 VDC
Apparent power VA	50 Hz	24.0
	60 Hz	19.0
Power consumption W	50 Hz	10.0
	60 Hz	8.0
	DC	11.0
Thermal class		B

*1: No freezing.
*2: Effective cross-sectional area S and sonic conductance C are converted as $S \approx 5.0 \times C$.

How to order

CXU30-ADK-00 - **F** **2C** - **1**



Code	Description
A Sealant	
Blank	Nitrile rubber
F	Fluoro rubber
B Coil option	
2C	Grommet lead wire *1
2HS	DIN terminal box with lamp/surge suppressor (Pg11)
C Rated voltage	
1	100 VAC 50/60 Hz, 110 VAC 60 Hz
3	24 VDC

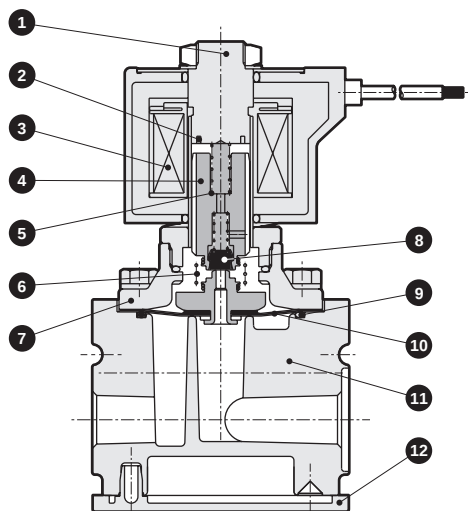
*1: The coil option 2C is available for rated voltage [1] only.

⚠ Precautions for model No. selection

Note: The joiner set (joiner, bolt, O-ring) is enclosed.

Internal structure and parts list

● CXU30-ADK

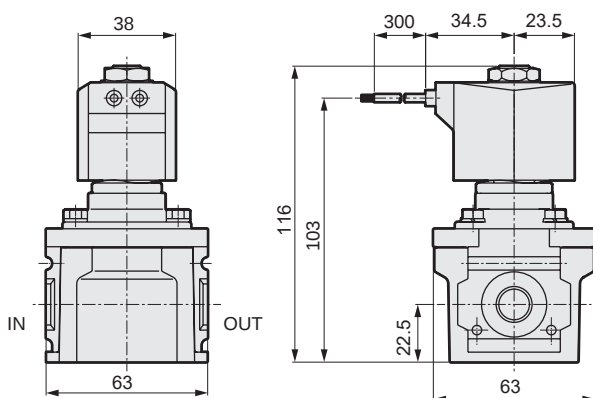


No.	Part name	Material
1	Core assembly	Stainless steel
2	Shading coil	Copper
3	Coil	-
4	Plunger assembly	Stainless steel
5	Plunger spring	Stainless steel
6	Kick spring	Stainless steel
7	Body	Copper alloy casting
8	Seal	Nitrile rubber (fluoro rubber)
9	Diaphragm assembly	Stainless steel (nitrile/fluoro rubber)
10	O-ring	Nitrile rubber (fluoro rubber)
11	Body	Aluminum die-casting
12	Plate cover	ABS resin

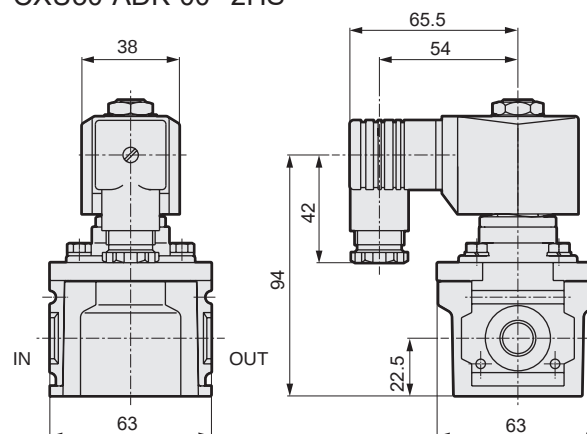
* () is when selecting A Sealant F (fluoro rubber).

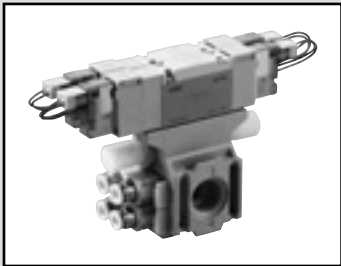
Dimensions

● Grommet lead wire CXU30-ADK-00-*2C-*



● With DIN terminal box (Pg11) CXU30-ADK-00-*2HS-*





Pilot operated 5-port valve

CXU30-4G2R Series

5-port solenoid valve for modular connection
with 2000, 3000, 4000 Series

No thread
open

IN
gasket

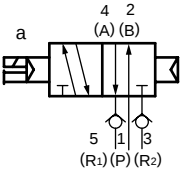
RoHS

CAD

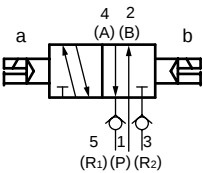
Expandable

JIS symbol

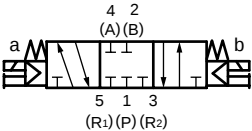
2-position single



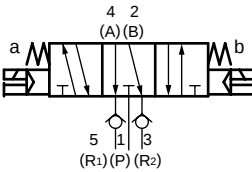
2-position double



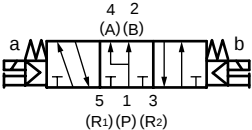
3-position all ports closed



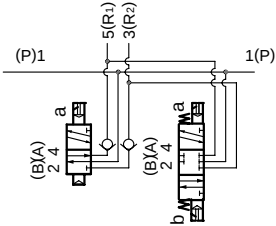
3-position A/B/R connection



3-position P/A/B connection



(Example) CXU30-4G2R-13-C6-B-1



Common specifications

Item	Description
Valve and operation	Pilot operated soft spool valve
Working fluid	Compressed air
Max. working pressure MPa	0.7 (≈100 psi, 7 bar)
Min. working pressure MPa	0.2 (≈29 psi, 2 bar) (2-position, 3-position)
Proof pressure MPa	1.05 (≈150 psi, 10.5 bar)
Fluid temperature °C	5 (41°F) to 55 (131°F)
Ambient temperature °C	-5 (23°F) to 55 (131°F) (no freezing)
Atmosphere	Place free of corrosive gas/explosive gas and not exposed to water
Port size	A/B port
	Push-in fitting ø4, ø6, ø8
	P port
	None (connectable with 3000 Series)
	R1/R2 port
	Rc1/4
Manual operating device	Non-locking/locking common
Pilot exhaust method	Main valve/pilot valve common exhaust
Lubrication *1	Not required
Degree of protection *2	Dust-proof
Vibration/shock resistance m/s ²	50 or less/300 or less

*1: Use turbine oil Class 1 ISO VG32 for lubrication.

Excessive or intermittent lubrication results in unstable operation.

*2: Avoid water drops or oil, etc., during use.

IP65 (jet-proof) applies for DIN terminal box specifications.

However, the specified outer diameter of the applicable cord and tightening torque must be used for fixing in place.

Electrical specifications

Item	Description
Rated voltage V	DC
	24
	AC
	100
Rated voltage fluctuation range	±10%
Holding current A	24 VDC
	0.017
	100 VAC
	0.009
Power consumption W	24 VDC
	0.4
Apparent power VA	100 VAC
	0.98
Thermal class	B
Surge suppressor	Standard
Indicator	With indicator lamp (standard)

Weight

(Unit: kg)

Solenoid position		Description
Without solenoid valve: Masking plate		Single valve
		Valve sub-base
2-position	Single	E type connector
		0.08
	Double	DIN terminal
		0.10
3-position	All ports	E type connector
		0.10
	closed	DIN terminal
		0.14
		E type connector
		0.11
		DIN terminal
		0.15

The weight is calculated as the discrete valve (1) + the discrete valve (2) + the valve sub-base.

0.32

Flow characteristics

Solenoid position		P→A/B		A/B→R1/R2	
		C[dm ³ /(s·bar)]	b	C[dm ³ /(s·bar)]	b
2-position		2.3	0.29	1.8	0.24
3-position	All ports closed	2.1	0.27	2.3	0.27
	A/B/R connection	2.1	0.34	1.7	0.2
	P/A/B connection	2.2	0.34	2.4	0.29

*1: Effective cross-sectional area S and sonic conductance C are converted as $S \approx 5.0 \times C$.

*2: Values for 2-position and A/B/R connection are the values when an exhaust check valve is integrated.

How to order

CXU30-4G2R- 3 3 -C6- E20 S - 3

A Model No.

B Solenoid valve (1) switching position

*2, *5, *6

C Solenoid valve (2) switching position

*2, *5, *6

D Port size (OUT)

E Electrical connections

F Option

G Rated voltage

Code	Description
B Solenoid valve (1) switching position	
0	Without solenoid valve; Masking plate
1	2-position single; with exhaust check valve
2	2-position double; with exhaust check valve
3	3-position all ports closed
4	3-position A/B/R connection; with exhaust check valve
5	3-position P/A/B connection
C Solenoid valve (2) switching position	
0	Without solenoid valve; Masking plate
1	2-position single; with exhaust check valve
2	2-position double; with exhaust check valve
3	3-position all ports closed
4	3-position A/B/R connection; with exhaust check valve
5	3-position P/A/B connection
D Port size (OUT)	
C4	ø4 push-in fitting
C6	ø6 push-in fitting
CL6	ø6 radial push-in fitting (facing rear)
C8	ø8 push-in fitting
E Electrical connections	
B	DIN terminal box (Pg7) with surge suppressor/lamp
E20	E type connector lead wire (500 mm) with surge suppressor/lamp
F Option	
Blank	None
S	Two silencers (SLW-8S) attached
G Rated voltage	
1	100 VAC (rectifier integrated)
3	24 VDC

⚠ Precautions for model No. selection

- *1: The fitting that can be mounted on the R1 port is GWS□-8-S.
- *2: The exhaust check valve is provided as standard. 3-position all ports closed and P/A/B connection are not provided with the exhaust check valve.
For the exhaust check valve, refer to page 1057.
- *3: For solenoid valves (1)(2), if the port size, electrical connection, option or voltage is changed, it is processed as a customized product.
- *4: The joiner set (joiner, bolt, O-ring) and one gasket are enclosed.
- *5: Refer to dimensions for positions of solenoid valves (1) and (2).
- *6: When masking plates are used for all solenoid valves, electrical connections and rated voltage options are blank.

Refer to page 1039 for the solenoid valve model No. list.

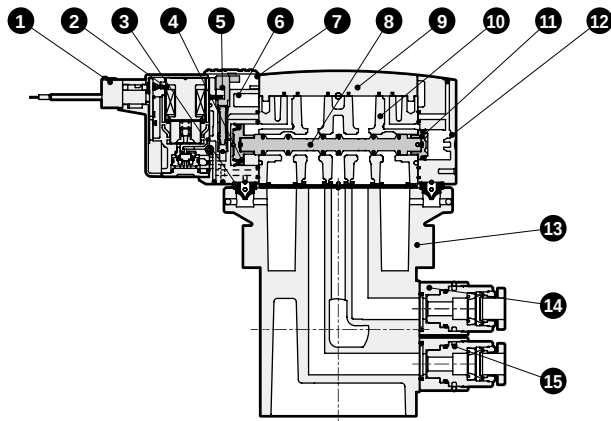
F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain
Separ
Mech
Press SW
Res press
exh valve
SlowStart
Anti-bac/Bac-
remove Filtr
Film
Resist FR
Oil-ProhR
Med
Press FR
No Cu/
PTFE FRL
Outdrs FRL
Adapter
Joiner
Press
Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/
other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro
Press SW
ContactSW
AirSens
PresSW
Cool
Air Flo
Sens/Ctrl
WaterRtSens
TotAirSys
(Total Air)
TotAirSys
(Gamma)
Gas
generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg
etc
Ending

CXU30-4G2R Series

F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain
Separ
Mech
Press SW
Res press
exh valve
SlowStart
Anti-bac/Bac-
remove Filt
Film
Resist FR
Oil-ProhR
Med
Press FR
No Cu/
PTFE FRL
Outdrs FRL
Adapter
Joiner
Press
Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneR
AirBoost
Speed Ctrl
Silncr
CheckV/
other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro
Press SW
ContactSW
AirSens
PresSW
Cool
Air Flo
Sens/Ctrl
WaterRtSens
TotAirSys
(Total Air)
TotAirSys
(Gamma)
Gas
generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg
etc
Ending

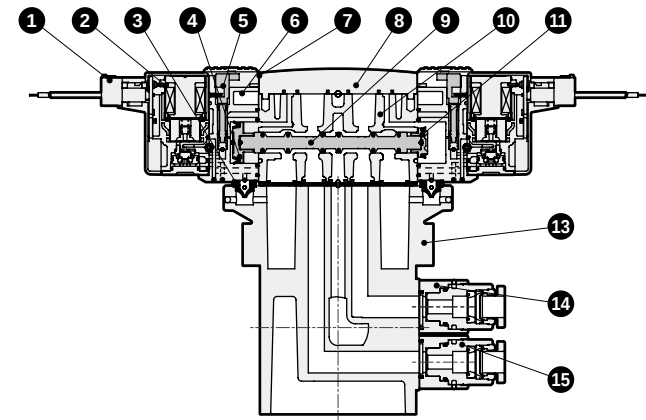
Internal structure and parts list

- 2-position single
E type connector

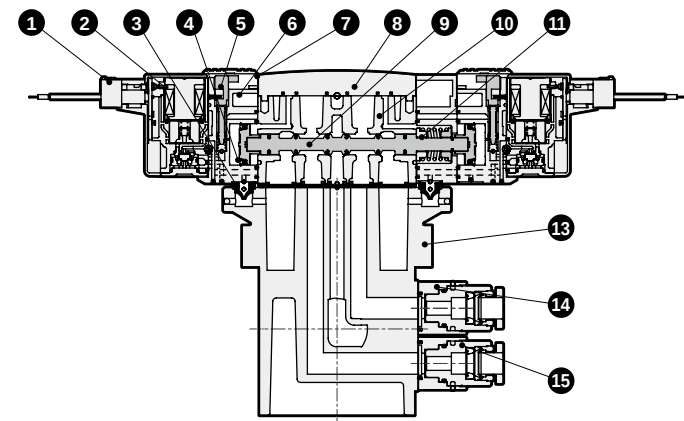


No.	Part name	Material
1	E type connector socket assembly	-
2	Coil assembly	-
3	Pilot exhaust check valve	Hydrogenated nitrile rubber
4	Piston D assembly	-
5	Manual operating device	Resin
6	Piston chamber	Resin
7	Manual protection cover	Resin
8	Spool assembly	-
9	Plate	Resin
10	Body	Aluminum alloy die-casting
11	Piston S assembly	-
12	Cap	Resin
13	Module sub-base	Aluminum alloy die-casting
14	Fitting adaptor	Resin
15	Cartridge push-in fitting	-
16	DIN terminal box assembly	-

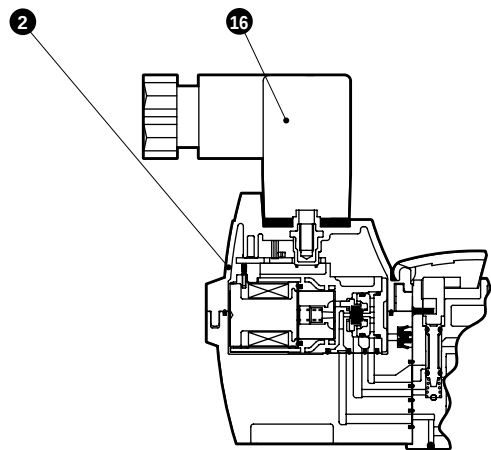
- 2-position double
E type connector



- 3-position
E type connector



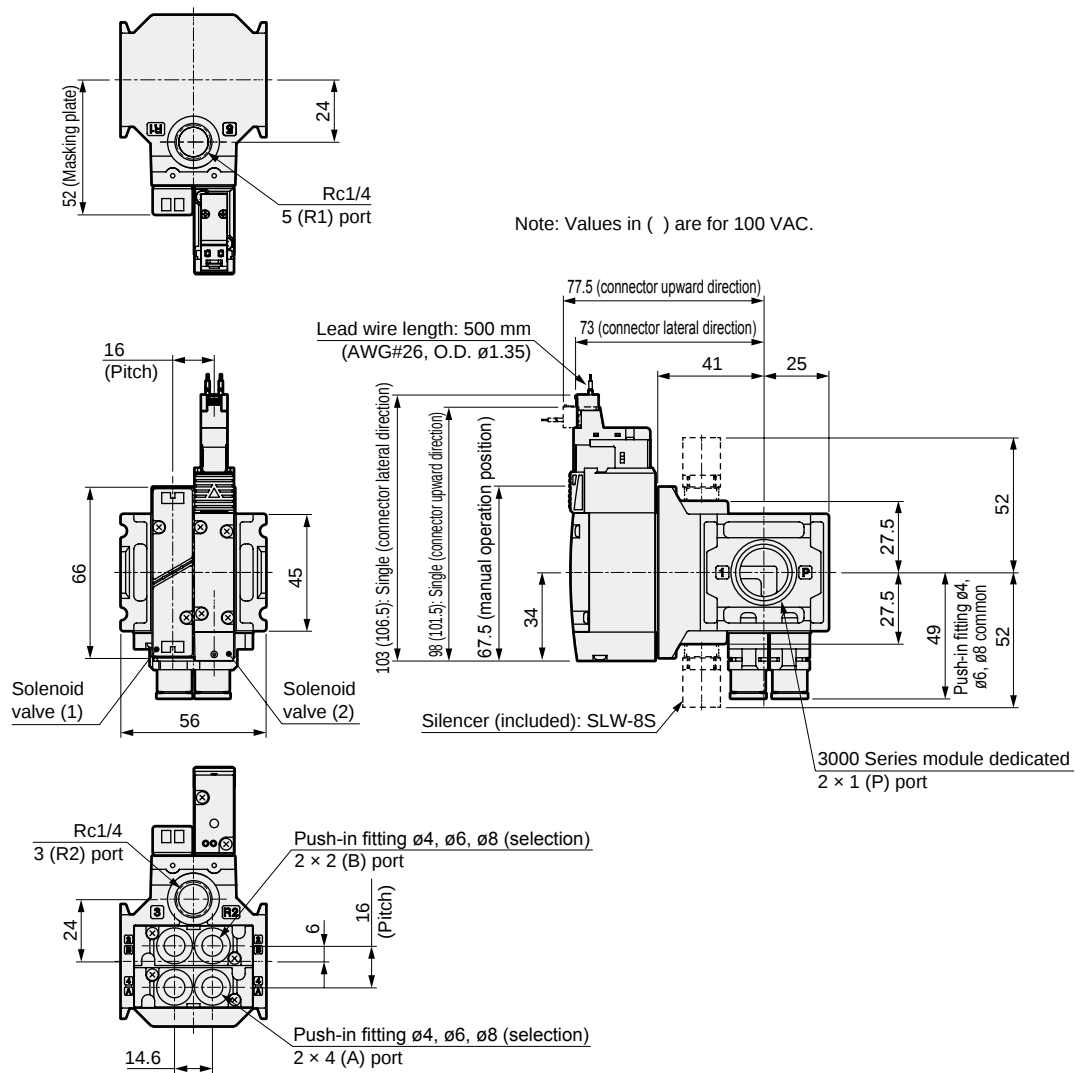
- DIN terminal box B



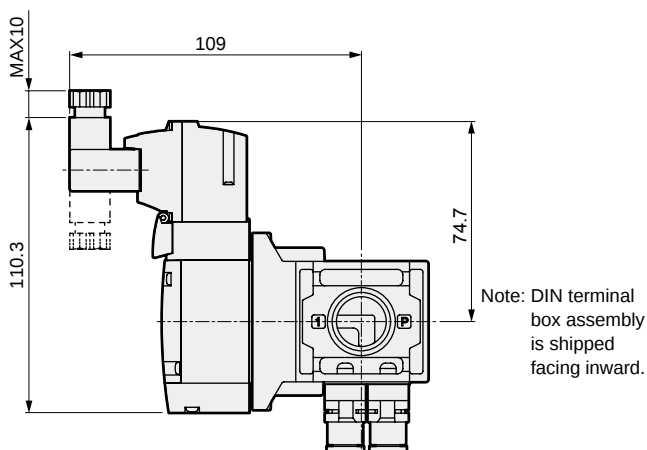
Dimensions

CXU30-4G2R-⁰₁

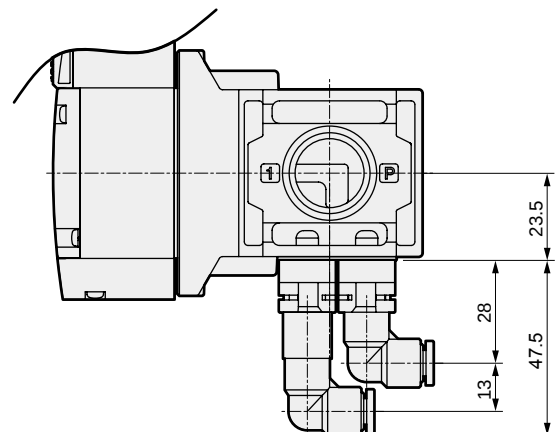
- E type connector (E)
Cartridge fitting: Straight



- DIN terminal box (B)
Cartridge fitting: Straight



- Radial ø6 push-in fitting (facing rear)



F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain
Separ
Mech
Press SW
Res press
exh valve
SlowStart
Anti-bac/Bac-
remove Filtr
Film
Resist FR
Oil-ProhR
Med
Press FR
No Cu/
PTFE FRL
Outdrs FRL
Adapter
Joiner
Press
Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/
other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro
Press SW
ContactSW
AirSens
PresSW
Cool
Air Flo
Sens/Ctrl
WaterRtSens
TotalAirSys
(Total Air)
TotalAirSys
(Gamma)
Gas
generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg
etc
Ending

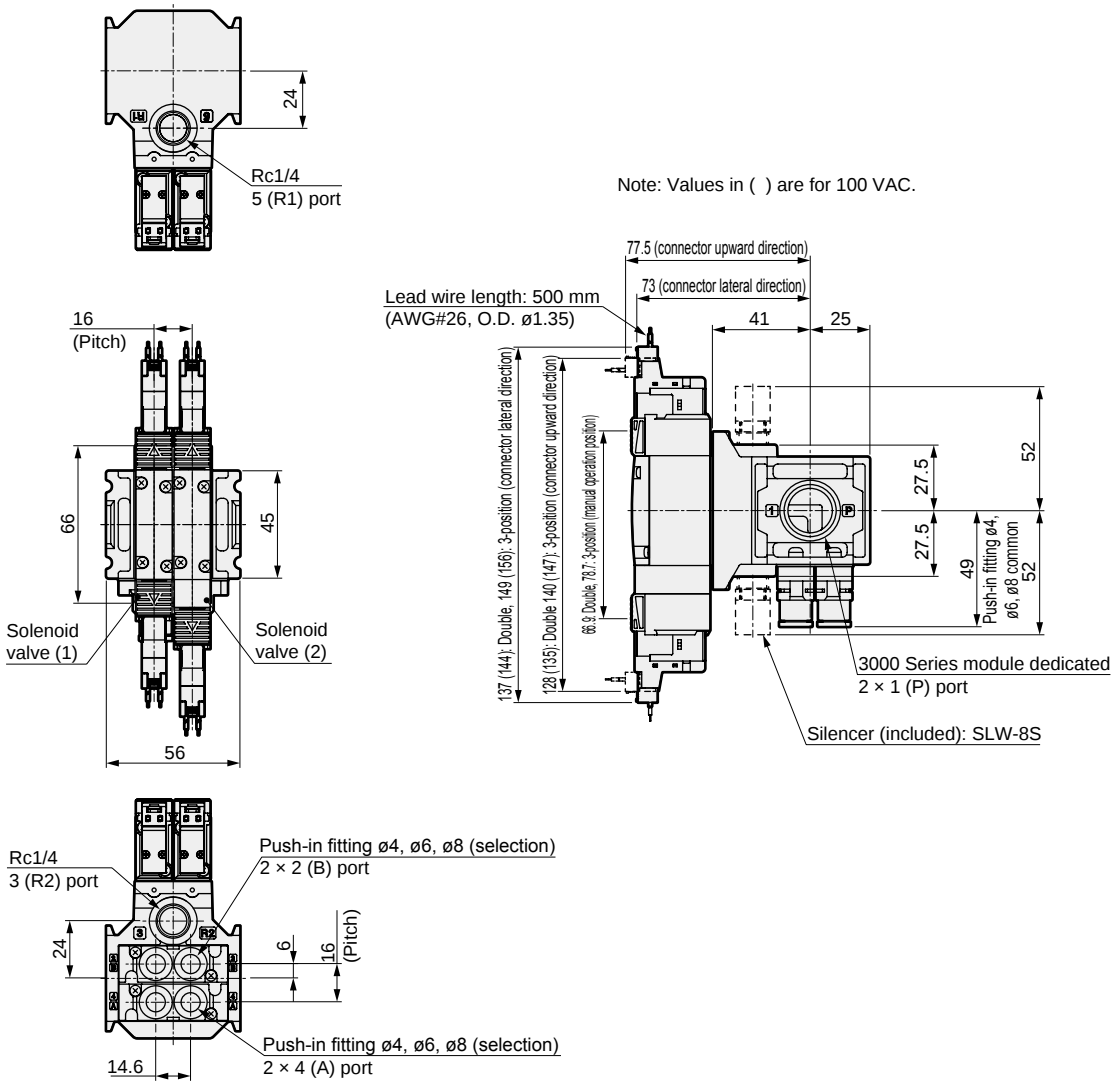
CXU30-4G2R Series

F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain Separ
Mech Press SW
Res press exh valve
SlowStart
Anti-bac/Bac- remove Filtr
Film Resist FR
Oil-ProhR
Med Press FR
No Cu/ PTFE FRL
Outdrs FRL
Adapter Joiner
Press Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/ other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro Press SW
ContactSW
AirSens
PresSW Cool
Air Flo Sens/Ctrl
WaterRtSens
TotAirSys (Total Air)
TotAirSys (Gamma)
Gas generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg etc
Ending

Dimensions

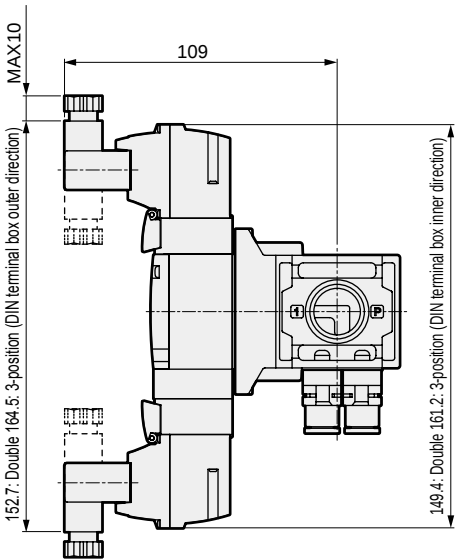
CXU30-4G2R-²_{3 4 5}

- E type connector (E)
- Cartridge fitting: Straight

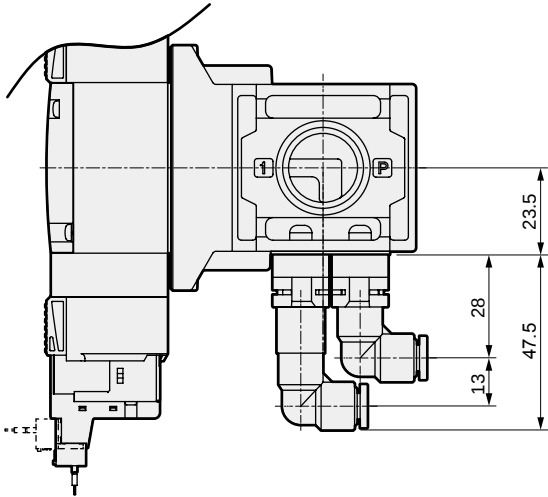


- DIN terminal box (B)
- Cartridge fitting: Straight

- Radial ø6 push-in fitting (facing rear)



Note: DIN terminal box assembly is shipped facing inward.



Solenoid valve model No. table

Option			Solenoid valve model No.
Solenoid valve switch position	Electrical connections	Rated voltage	
0			4G2R-MP
1	B	1	4GB219R-00-BH-1
		3	4GB219R-00-BH-3
	E20	1	4GB219R-00-E20H-1
		3	4GB219R-00-E20H-3
2	B	1	4GB229R-00-BH-1
		3	4GB229R-00-BH-3
	E20	1	4GB229R-00-E20H-1
		3	4GB229R-00-E20H-3
3	B	1	4GB239R-00-B-1
		3	4GB239R-00-B-3
	E20	1	4GB239R-00-E20-1
		3	4GB239R-00-E20-3
4	B	1	4GB249R-00-BH-1
		3	4GB249R-00-BH-3
	E20	1	4GB249R-00-E20H-1
		3	4GB249R-00-E20H-3
5	B	1	4GB259R-00-B-1
		3	4GB259R-00-B-3
	E20	1	4GB259R-00-E20-1
		3	4GB259R-00-E20-3

F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain Separ
Mech Press SW
Res press exh valve
SlowStart
Anti-bac/Bac-remove Filtr
Film Resist FR
Oil-ProhR
Med Press FR
No Cu/ PTFE FRL
Outdrs FRL
Adapter Joiner Press Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/ other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro Press SW
ContactSW
AirSens
PresSW Cool
Air Flo Sens/Ctrl
WaterRISens
TotAirSys (Total Air)
TotAirSys (Gamma)
Gas generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg etc
Ending

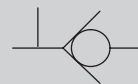


Module check valve

CXU10-CHV Series

Completely prevents reverse flow of fluid
such as compressed air.
Capable of modular connection
with FRL 1000 Series
Intermediate extraction of air with branching port

JIS symbol



RoHS

CAD

No thread
open

IN
gasket

Specifications

Item		Description
Working fluid		Compressed air
Max. working pressure MPa		1.0
Min. working pressure MPa		0.03
Proof pressure MPa		1.5
Port size		None
Ambient/fluid temperatures °C		5 to 60
Weight kg		0.08
Effective cross-sectional area	(IN → branching port) mm ²	28
	(IN → OUT) mm ²	28

How to order

CXU10-CHV - 00 - 6 - A



A Port size

B Option

Code	Description	
A Port size		
Blank	Without pipe adaptor	*
6	Pipe adaptor (Rc1/8") attached	*2
8	Pipe adaptor (Rc1/4") included	*2
10	Pipe adaptor (Rc3/8") included	*2
MA	Masking adaptor attached	*3
B Option		
Blank	No option	
A	Fluoro rubber specifications	

⚠ Precautions for model No. selection

- *1: The joiner set (joiner, bolt, O-ring) and one gasket are attached.
- *2: Pipe adaptor x 1, the joiner set (joiner, bolt, O-ring), and two gaskets are attached.
- *3: A masking adaptor, the joiner set (joiner, bolt, O-ring), and one gasket are attached.

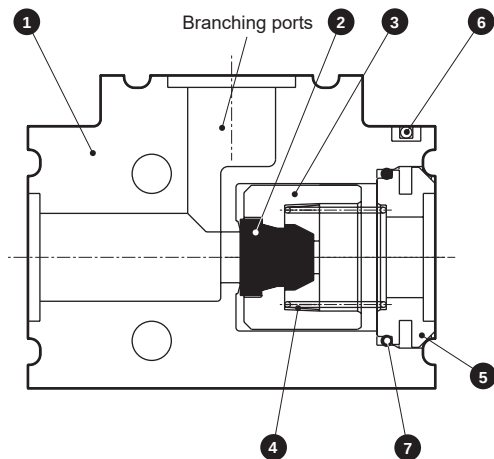
How to use



CXU10-CHV Series

Internal structure and dimensions

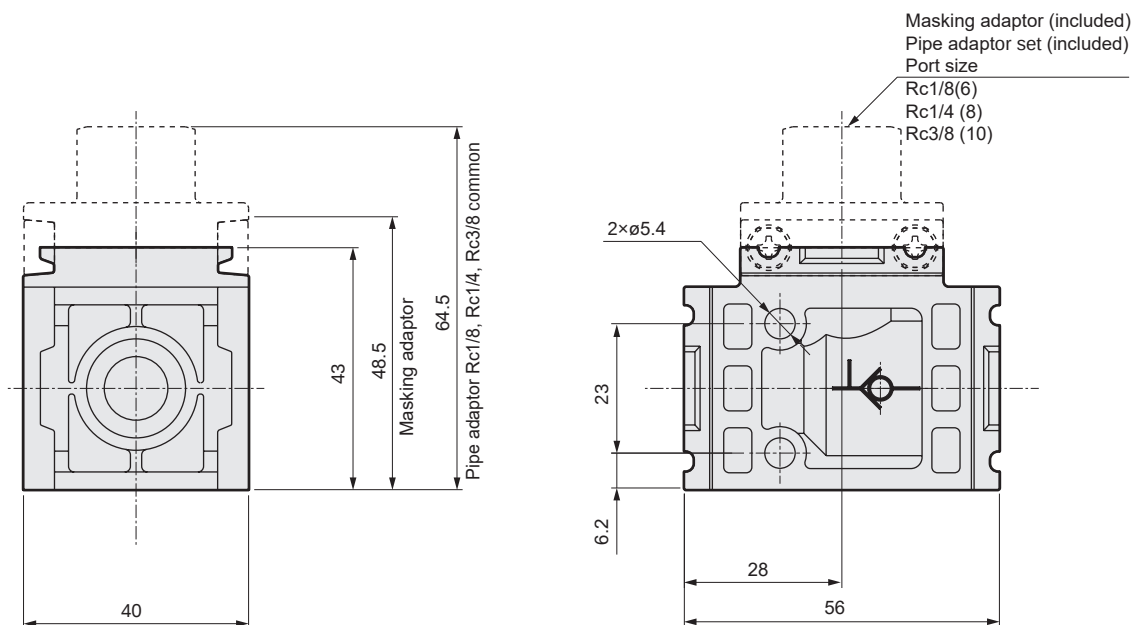
Internal structure and parts list



No.	Part name	Material
1	Body	Polyamide
2	Valving element	Nitrile rubber (fluoro rubber)
3	Valve guide	Polyacetal
4	Coil spring	Stainless steel
5	Cover	Aluminum alloy
6	Stopper pin	Stainless steel
7	O-ring	Nitrile rubber (fluoro rubber)

* Materials shown in () are for option "A" (fluoro rubber specifications).

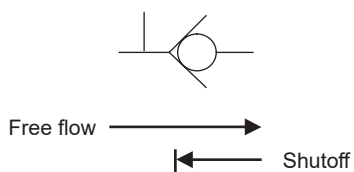
Dimensions



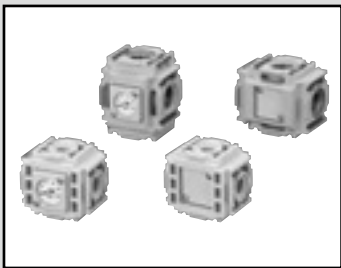
Safety precautions

CAUTION

- Check the JIS symbol on the body before connecting the piping.

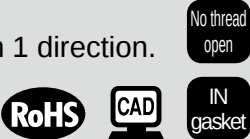


F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain
Separ
Mech
Press SW
Res press
exh valve
SlowStart
Anti-bac/Bac-
remove Filtr
Film
Resist FR
Oil-ProhR
Med
Press FR
No Cu/
PTFE FRL
Outdrs FRL
Adapter
Joiner
Press
Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/
other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro
Press SW
ContactSW
AirSens
PresSW
Cool
Air Flo
Sens/Ctrl
WaterRISens
TotAirSys
(Total Air)
TotAirSys
(Gamma)
Gas
generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg
etc
Ending



4-way distributor CXU10-D4/CXU30-D4 Series

Module fitting section branches in 4 directions.
 Fitting section can be mounted and removed from 1 direction.
 Pressure gauge mounting port provided.



Specifications

Item	CXU10-D4	CXU30-D4
Working fluid	Compressed air	
Max. working pressure MPa	1.0 (≈150 psi, 10 bar)	
Proof pressure MPa	1.5 (≈220 psi, 15 bar)	
Branching fitting quantity	4	
Port size	None	Rc3/8,Rc1/2
Ambient / fluid temperatures °C	5 (41°F) to 60 (140°F)	
Weight kg	0.1	0.3

Usage methods



How to order

CXU10-D4 - 00 - T6

JIS symbol



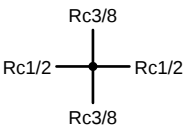
A Option

Code	Description
A Option	
Blank	Without pressure gauge port (blanking plug mounted)
T6	Pressure gauge port Rc1/8
T8	Pressure gauge port Rc1/4
G401	With pressure gauge (G401)
R1	Pressure switch with display PPD mounted

How to order

CXU30-D4 - 15 - T6

JIS symbol



A Option

Code	Description
A Option	
Blank	Without pressure gauge port (blanking plug mounted)
T6	Pressure gauge port Rc1/8
T8	Pressure gauge port Rc1/4
G401	With pressure gauge (G401)
R1	Pressure switch with display PPD mounted

⚠ Precautions for model No. selection

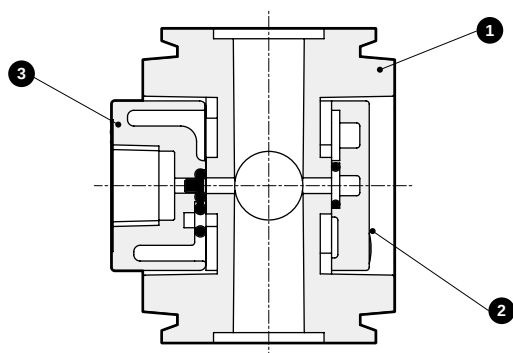
- *1: CXU30-D4 can be connected to 2000 Series, 3000 Series and 4000 Series.
- *2: There are four connection sections. The joiner sets and gaskets should be purchased and assembled accordingly.
- *3: The joiner set (joiner, bolt, O-ring) and one gasket are enclosed.

CXU10-D4/CXU30-D4 Series

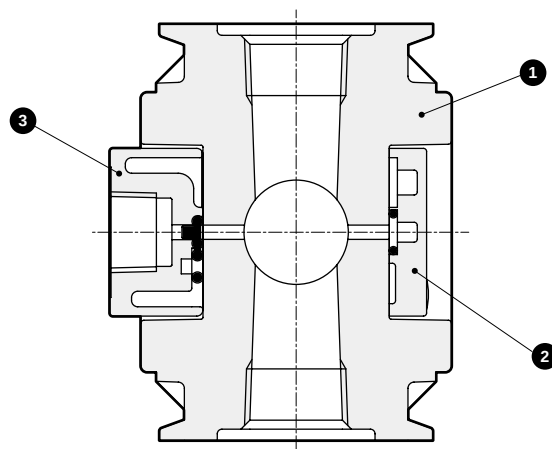
Internal structure and dimensions

Internal structure and parts list

● CXU10-D4



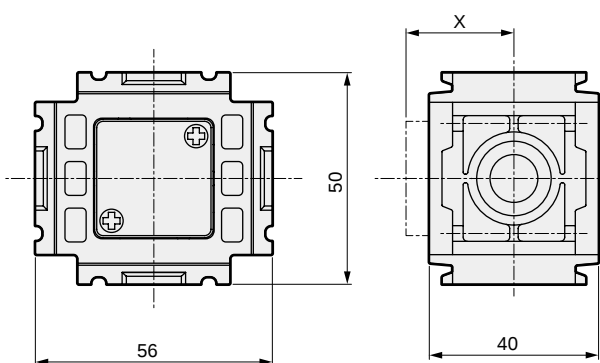
● CXU30-D4



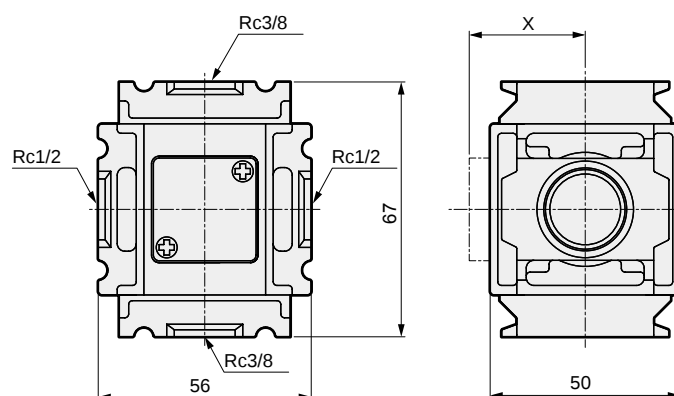
No.	Part name	Material	
		CXU10-D4	CXU30-D4
1	Body	Polyamide resin	Aluminum alloy die-casting
2	Blanking plug assembly	PBT resin, nitrile rubber, steel	
3	Gauge plug assembly	Polyamide resin, nitrile rubber, steel	
	Pressure gauge (G401)	PBT resin, nitrile rubber, polyacetal resin, polycarbonate resin, copper alloy, steel	

Dimensions

● CXU10-D4



● CXU30-D4



Optional dimensions table

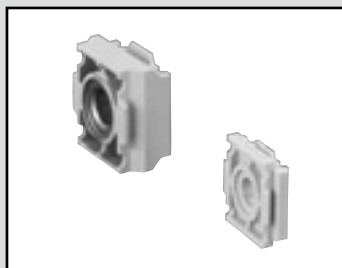
Option	X
T6	25.5
T8	25.5
G401	25.5
R1	40

Optional dimensions table

Option	X
T6	30.5
T8	30.5
G401	30.5
R1	45

F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain Separ
Mech Press SW
Res press exh valve
SlowStart
Anti-bac/Bac-remove Filtr
Film Resist FR
Oil-ProhR
Med Press FR
No Cu/ PTFE FRL
Outdrs FRL
Adapter Joiner Press Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/ other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro Press SW
ContactSW
AirSens
PresSW Cool
Air Flo Sens/Ctrl
WaterRISens
TotAirSys (Total Air)
TotAirSys (Gamma)
Gas generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg etc
Ending

F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain Separ
Mech Press SW
Res press exh valve
SlowStart
Anti-bac/Bac-
remove Filt
Film
Resist FR
Oil-Prohr
Med Press FR
No Cu/
PTFE FRL
Outdrs FRL
Adapter Joiner
Press Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneur
AirBoost
Speed Ctrl
Silncr
CheckV/
other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro Press SW
ContactSW
AirSens
PresSW Cool
Air Flo Sens/Ctrl
WaterRtSens
TotAirSys (Total Air)
TotAirSys (Gamma)
Gas generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg etc
Ending



Turn adaptor

CXU10-TA/CXU30-TA Series

Rotates module fitting section by 90 degrees.
Direction of module components can be changed.

No thread
open

RoHS

CAD

IN
gasket

Specifications

Item	CXU10-TA	CXU30-TA
Working fluid	Compressed air	
Max. working pressure MPa	1.0 (≈150 psi, 10 bar)	
Proof pressure MPa	1.5 (≈220 psi, 15 bar)	
Port size	None	
Ambient / fluid temperatures °C	5 (41°F) to 60 (140°F)	
Weight kg	0.03	0.12

Usage methods



How to order

CXU10 - TA - 00

A Model No.

Code	Description
A Model No.	
CXU10	1000 Series
CXU30	3000 Series

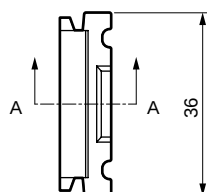
⚠ Precautions for model No. selection

*1: CXU30-TA can be connected to 2000 Series, 3000 Series and 4000 Series.

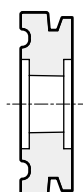
*2: The joiner set (joiner, bolt, O-ring) and one gasket are enclosed.

Internal structure and parts list/dimensions

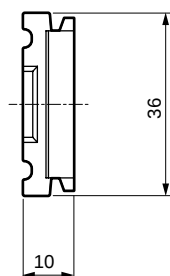
● CXU10-TA



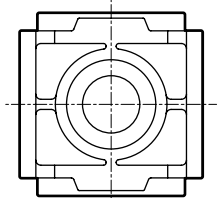
Top



Cross-section A-A

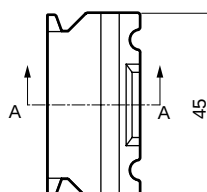


Front

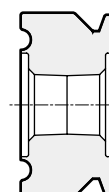


Side

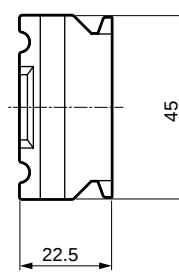
● CXU30-TA



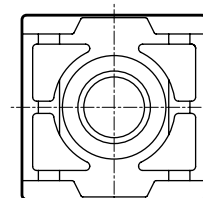
Top



Cross-section A-A

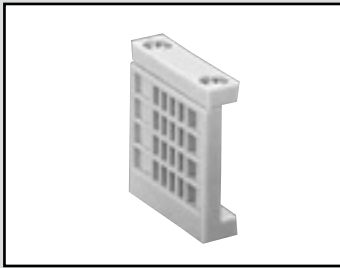


Front



Side

No.	Part name	Material	
		CXU10-TA	CXU30-TA
1	Body	Polyamide resin	Aluminum alloy die-casting



Masking adaptor

CXU10-MA Series

Used for masking the fitting section of the 1000 Series.



Specifications

Item	CXU10-MA
Working fluid	Compressed air
Max. working pressure MPa	1.0 (≈150 psi, 10 bar)
Proof pressure MPa	1.5 (≈220 psi, 15 bar)
Port size	None
Ambient / fluid temperatures °C	5 (41°F) to 60 (140°F)
Weight kg	0.02

Usage methods



How to order

CXU10-MA - 00 - B

A Option

Code	Description
A Option	
Blank	Joiner
B	T type bracket (B110-W)
BH	T type bracket (B110-H-W)

⚠ Precautions for model No. selection

*1: One O-ring is included.

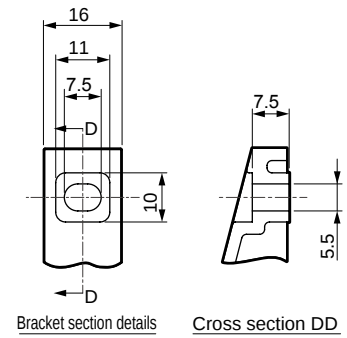
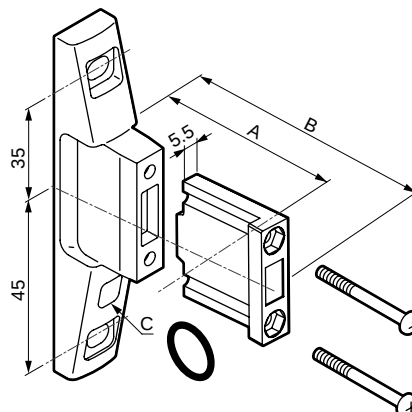
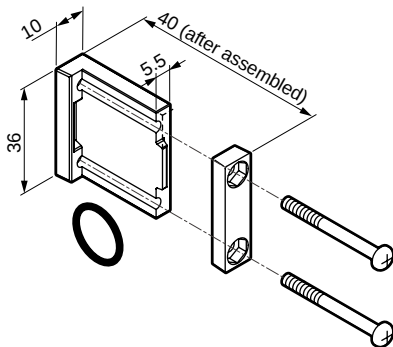
*2: A hex nut for fixing the T type bracket is included with the T type bracket.

Internal structure and parts list/dimensions

● CXU10-MA

Option: Blank

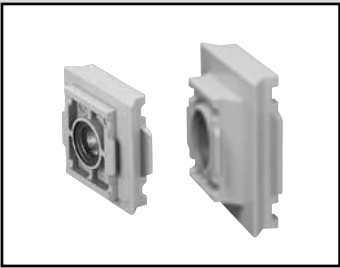
Option: B, BH



Optional dimensions table

Option	A	B	C
B	40	60	-
BH	45	65	Identification "H"

F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain
Separ
Mech
Press SW
Res press
exh valve
SlowStart
Anti-bac/Bac-
remove Filtr
Film
Resist FR
Oil-ProhR
Med
Press FR
No Cu/
PTFE FRL
Outdrs FRL
Adapter
Joiner
Press
Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/
other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro
Press SW
ContactSW
AirSens
PresSW
Cool
Air Flo
Sens/Ctrl
WaterRiSens
TotAirSys
(Total Air)
TotAirSys
(Gamma)
Gas
generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg
etc
Ending



Module conversion adaptor

CXU13-CA/CXU48-CA Series

Capable of connecting 1000 Series
with 2000/3000/4000 Series and 2000/3000/4000 Series
with 6000/8000 Series.

No thread
open

RoHS

CAD

IN
gasket

Specifications

Item	CXU13-CA	CXU48-CA
Working fluid	Compressed air	
Max. working pressure MPa	1.0 (≈150 psi, 10 bar)	
Proof pressure MPa	1.5 (≈220 psi, 15 bar)	
Port size	None	
Ambient / fluid temperatures °C	5 (41°F) to 60 (140°F)	
Weight kg	0.04	0.13

Usage methods



How to order

CXU13 - CA - 00

A Model No.

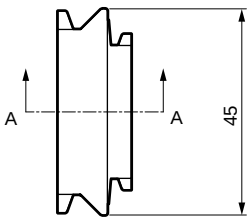
Code	Description
A Model No.	
CXU13	1000 to 3000 Series conversion
CXU48	4000 to 8000 Series conversion

- *1: CXU13-CA can be connected to 2000 Series, 3000 Series and 4000 Series.
The C1000-J100, C4000-J400 joiner set (joiner, bolt, O-ring) and one gasket are enclosed.
- *2: CXU48-CA can be connected to 2000/3000/4000 Series and 6000/8000 Series.
The C4000-J400-W, C8000-J800-W joiner set (joiner, bolt, O-ring), and one gasket are enclosed.

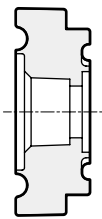
Internal structure and parts list/dimensions

● CXU13-CA

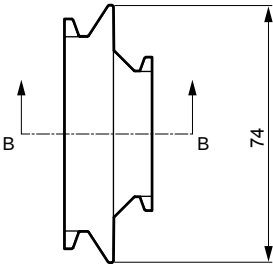
● CXU48-CA



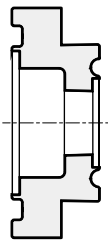
Top



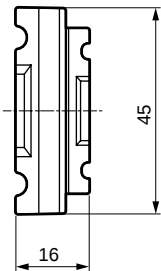
Cross-section A-A



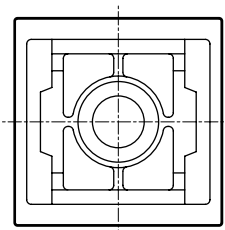
Top



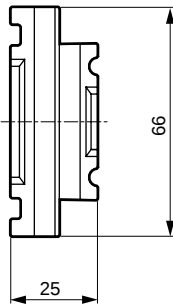
Cross section B-B



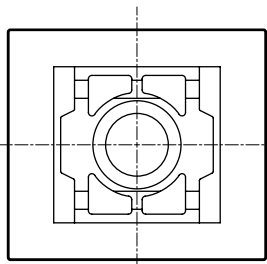
Front



Side

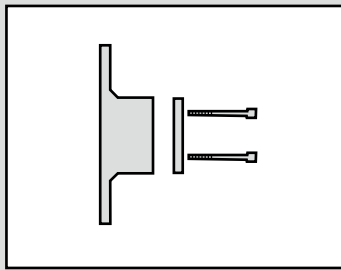


Front



Side

No.	Part name	Material
1	Body	Aluminum alloy die-casting



Bracket/joiner

B-W/J-W Series

O-ring/gasket/pipe plug

ORING/GASKET/CXU-PP Series

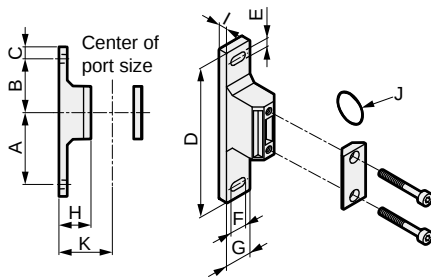


Dimensions and applications

T type bracket set

● Model No.: B110-W/B110-H-W/B310-W/B410-W/B810-W

● Applications



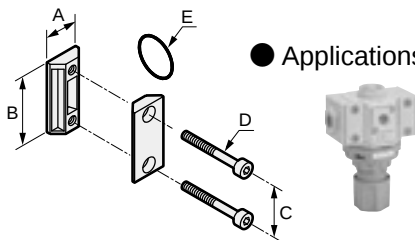
Note: By using B110-H-W, the 1000 Series can be adjusted to the same height as the 3000 Series.

Model No.	Compatible series	A	B	C	D	E	F	G	H	I	J	K
B110-W	1000 Series	45	35	10	100	5.5	7.5	16	25	7.5	JASO-2013	40
B110-H-W	1000 Series	45	35	10	100	5.5	7.5	16	30	7.5	JASO-2013	45
B310-W	2000 Series	60	45	10	125	7	14	22	27	7	JISB2401-P21	45
	3000 Series											
B410-W	4000 Series	60	45	10	125	7	14	22	37	7	JISB2401-P21	55
B810-W	6000 Series	70	50	15	150	9	14	27	37	8	AS568-127	65
	8000 Series											

Joiner set

● Model No.: C1000-J100-W
C4000-J400-W
C8000-J800-W

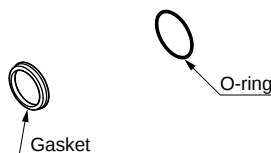
● Applications



Model No.	Compatible series	A	B	C	D	E
C1000-J100-W	1000 Series	10	36	26	M3.5	JASO-2013
C4000-J400-W	2000 Series	21	44	32	M5	JIS B2401-P21
	3000 Series					
	4000 Series					
C8000-J800-W	6000 Series	26	65	50	M6	AS568-127
	8000 Series					

O-ring, gasket

Material: NBR

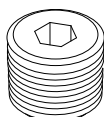


Model No.	Compatible series	Standards
C1000-ORING	1000 Series	JASO-2013
C1000-GASKET		For CKD use only.
C4000-ORING	2000 Series	JIS B2401-P21
	3000 Series	
C4000-GASKET	4000 Series	For CKD use only.
C8000-ORING	6000 Series	AS568-127
C8000-GASKET	8000 Series	
		For CKD use only.

The sales unit is 5 pieces/set.

Pipe plug

Material: Steel



Model No.	Thread standards
CXU-PP-6	R1/8
CXU-PP-8	R1/4
CXU-PP-10	R3/8
CXU-PP-15	R1/2

Note: Five pipe plugs are included in one set.

F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain
Separ
Mech
Press SW
Res press
exh valve
SlowStart
Anti-bac/Bac-
remove Filtr
Film
Resist FR
Oil-ProhR
Med
Press FR
No Cu/
PTFE FRL
Outdris FRL
Adapter
Joiner
Press
Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/
other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro
Press SW
ContactSW
AirSens
PresSW
Cool
Air Flo
Sens/Ctrl
WaterRISens
TotAirSys
(Total Air)
TotAirSys
(Gamma)
Gas
generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg
etc
Ending