

2-port direct acting solenoid valve for dry air (General purpose valve)

AB31/AB41-Z Series

NC

Port size: Rc1/8 to Rc1/2





JIS symbol ● NC



Common specifications

Descriptions		Standard specifications
Working fluid		For dry air (atmospheric dew point -60°C and over)/inert gas/low vacuum [1.33 x 10² Pa (abs)]
Working pressure differential	MPa	0 to 4 (refer to max. working pressure differential in individual specifications.)
Max. working pressure	MPa	5
Proof pressure (water pressure)	MPa	25
Fluid temperature	°C	-10 to 45 (no freezing)
Ambient temperature	°C	-10 to 45
Thermal class		Class 130 (B)
Atmosphere		Place free of corrosive gas and explosive gas
Valve structure		Direct acting poppet structure
Valve seat leakage cm³/min	(ANR)	0.2 or less
Mounting orientation		Unrestricted

Descriptions	Port size	Orifice size	Max. working pressure	Rated voltage	Power consumption (W)		Weight
Model No.	1 011 3120	(mm)	differential (MPa)	rated voltage	AC	DC	(kg)
AB31- ⁰¹ ₀₂ -1-*****Z		1.5	2.5				
-2-****Z		2.0	1.5		17		
-3-****Z	Rc1/8	3.0	0.5	100 VAC		14	0.45
-4-****Z	Rc1/4	3.5	0.35	50/60 Hz			0.45
-5-****Z		4.0	0.2	200 VAC 50/60 Hz 12 VDC 24 VDC 48 VDC 100 VDC			
-6-****Z		5.0	0.12				
AB41- ⁰² ₀₃ -1-****Z		1.5	4.0				
-2-****Z		2.0	2.5				0.57
-3-****Z	Do1/4	3.0	0.9				(Rc1/4)
-4-****Z	Rc1/4	3.5	0.6				
-5-****Z	- Rc3/8 - -	4.0	0.4				0.59
-6-****Z		5.0	0.2				(Rc3/8)
-7-****Z		7.0	0.1				
AB41- ⁰³ -8-****Z	Rc3/8 / Rc1/2	10.0	0.03				0.68

^{*1:} The model numbers above show the basic port size (Rc). Refer to How to order for other combinations.

^{*5:} When using at low vacuum, vacuum the OUT port side.

current	Voltage Model No.	100 VAC	200 VAC	12 VDC	24 VDC	48 VDC	100 VDC
kage	AB31-*-*-****Z AB41-*-*-****Z	10 mA or less	5 mA or less	40 mA or less	20 mA or less	10 mA or less	5 mA or less
Lea	AB41-*-*-****Z	10 mA or less	5 mA or less	40 mA or less	20 mA or less	10 mA or less	5 mA or less

^{*2:} The port size model No. is 01 for Rc1/8 (6A), 02 for Rc1/4 (8A), 03 for Rc3/8 (10A) and 04 for Rc1/2 (15A).

 $^{^{*}3}$: The voltage fluctuation range must be within $\pm 10\%$ of the rated voltage.

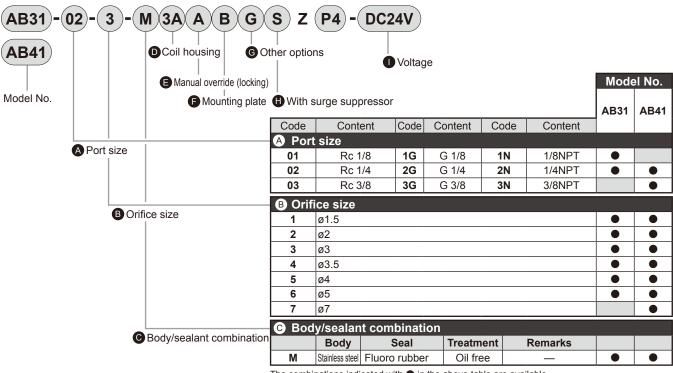
^{*4:} The leakage current must be less than or equal to the values shown below.

Compatibility table by variation

	AB3/AB4-Z
Classification	Direct acting 2-port valve for dry air
Body material	Stainless steel
P4	•
P40	•

- *1: Body material Select from stainless steel products.
- *2: Body material/Seal combination code M only.
- *3: Pipe material is SUS316.

How to order



The combinations indicated with
in the above table are available.

For Items (D) to (1), the combinations indicated with codes are available. Note that if options for Items (E) to (H) are not required, they should be left blank.

D C	oil hous	ing		•	G Other options		(1)	Rated voltage
Content			override ()	ng plate		nduit it piping)	With surge suppressor	Content
	Content		Manual (locking)	(locking) Mounting	CTC-19	G1/2	With surge	Content
3A		Lead wire	1	, —	G	Н		12 VDC, 24 VDC, 48 VDC, 100 VDC
31	Open frame	HP terminal box (IP65 or equivalent) (G1/2)) A	В			s	12 VDC, 24 VDC, 46 VDC, 100 VDC
3J	lianic	HP terminal box with lamp (IP65 or equivalent) (G1/2)	$_{A}$ $_{__}$ $^{\downarrow}$	1'			/!	12 VDC, 24 VDC, 100 VDC
5A	Open	Lead wire			G	Н		
5I	frame	HP terminal box (IP65 or equivalent) (G1/2)					100 VAC, 200 VAC	
5J			A = 1	1 '			1 7	

Open frame grommet lead wire 300 mm ■ 5A (diode integrated) Open frame HP terminal box (IP65 or equivalent)

5I, 5J (diode integrated)

 \triangle Refer to the following cautions for Items \bigcirc to \bigcirc . Conduit G H G(CTC19) ● H(G1/2)

Refer to "General Purpose Valves" (Catalog No. CB-03-1SA) for details on coil selection.

A Precautions for model No. selection

Notes for Item **D**

1: Coils for 5A, 5I, 5J have a diode to convert AC to DC voltage. Voltage of less than 100 VAC is not available.

Notes for Items **(E)** to **(II)**

- *2: Manual override (Item (E) A) cannot be mounted on the low pressure large flow rate AB41-03/04-8.
- *3: For @, select an option from G and H.
- *4: The surge suppressor is attached with the lead wire coil. When selecting a coil with a terminal box, the surge suppressor is mounted in the terminal box.
- *5: Surge suppressor is incorporated as standard in the coil with diode.

Notes for Item

- *6: 100 VAC coil is compatible with 100 VAC 50/60 Hz, and 200 VAC coil is compatible with 200 VAC 50/60 Hz.
- *7: For voltages other than above, contact CKD.
- *8: The lead wire is available in the standard 300 mm length, and 500 mm, 1000 mm, 2000 mm and 3000 mm lengths. Contact CKD for more information.



Direct acting 2-port solenoid valve for dry air, manifold/actuator (general purpose valve)

GAB312/GAB352/GAB412/GAB452-Z Series

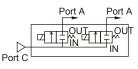
- **●**NC
- Common supply (port C pressurization), individual supply (port A pressurization)



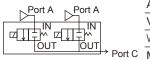


JIS symbol

 GAB312/412-Z (common supply/port C pressurization)



 GAB352/452-Z (individual supply/port A pressurization)



Descriptions		Standard specifications
Working fluid		For dry air (atmospheric dew point -60°C and over)/inert gas/low vacuum [1.33 x 10² Pa (abs)]
Working pressure differential	MPa	0 to 4 (refer to max. working pressure differential in individual specifications.)
Max. working pressure	MPa	5
Proof pressure (water pressure)	MPa	10
Fluid temperature	°C	-10 to 45 (no freezing)
Ambient temperature	°C	-10 to 45
Thermal class		Class 130 (B)
Atmosphere		Place free of corrosive gas and explosive gas
Valve structure		Direct acting poppet structure
Valve seat leakage cm ³ /min (A	NR)	0.2 or less
Mounting orientation		Unrestricted

individual specifications								
Descriptions	Dout size	Orifice size Max. working pressure (mm) differential (MPa)		Rated voltage	Power consumption (W)			
Model No.	Port size			Rated voitage	AC50/60 Hz	DC		
GAB312/352-1-Z		1.5	2.5					
-2-Z		2.0	1.5	100 \ (0.0)				
-3-Z		3.0	0.5	100 VAC 50/60 Hz		14		
-4-Z		3.5	0.35	00/00 112				
-5-Z		4.0	0.2		17			
-6-Z		5.0	0.12	200 VAC				
GAB412/452-1-Z		1.5	4.0	50/60 Hz				
-2-Z		2.0	2.5					
-3-Z]	3.0	0.9	12 VDC				
-4-Z]	3.5	0.6	24 VDC 48 VDC				
-5-Z		4.0	0.4	100 VDC				
-6-Z		5.0	0.2					
-7-Z		7.0	0.1					

^{*1:} The model numbers above are for basic orifice sizes. Refer to How to order for other combinations.

^{*5:} When using at low vacuum, vacuum the OUT port side.

current	Voltage Model No. GAB312/352*-*-*****Z GAB412/452*-*-*****Z	100 VAC	200 VAC	12 VDC	24 VDC	48 VDC	100 VDC
kage	GAB312/352*-*-****Z	10 mA or less	5 mA or less	40 mA or less	20 mA or less	10 mA or less	5 mA or less
Lea	GAB412/452*-*-****Z	10 mA or less	5 mA or less	40 mA or less	20 mA or less	10 mA or less	5 mA or less

^{*2:} For port size, refer to "How to order and Dimensions" ("General Purpose Valves" (catalog No. CB-03-1SA)).

^{*3:} The voltage fluctuation range must be within ±10% of the rated voltage.

^{*4:} The leakage current must be less than or equal to the values shown below.

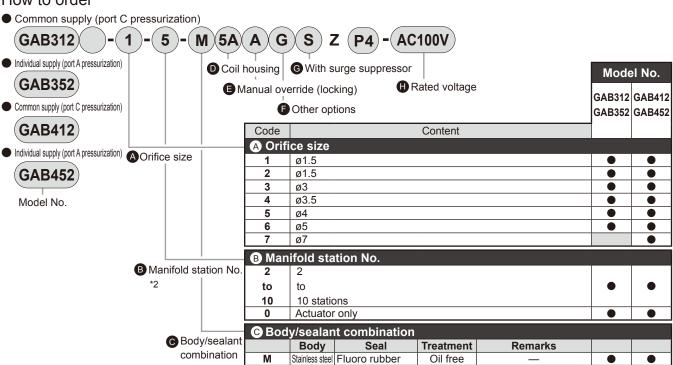
Fluid control components

Compatibility table by variation

	GAB3/GAB4-Z
Classification	Direct acting 2-port valve for dry air
Body material	Stainless steel
P4	•
P40	•

- *1: Body material Select from stainless steel products.
- *2: Body material/Seal combination code M only
- *3: Pipe material is SUS316.

How to order



The combinations indicated with
in the above table are available.

For Items (1) to (4), the combinations indicated with codes can be manufactured. Note that if options for Items (2) to (3) are not required, it should be blank.

D Coil housing			(F Other options		G	⊞ Rated voltage	
Content			Manual override (locking)	Conduit (conduit piping)		surge	Content	
	Content		Ma ove (loc	CTC-19	G1/2	With su suppre		
3A	Onon	Lead wire		G	Н		12 VDC, 24 VDC, 48 VDC, 100 VDC	
31	Open frame	HP terminal box (IP65 or equivalent) (G1/2)	Α			S	12 VDC, 24 VDC, 48 VDC, 100 VDC	
3J	liallie	HP terminal box with lamp (IP65 or equivalent) (G1/2)					12 VDC, 24 VDC, 100 VDC	
5A	Open	Lead wire		G	Н			
51	frame HP terminal box (IP65 or equivalent) (G1/2)		Α				100 VAC, 200 VAC	
5J	(diode integrated)	HP terminal box with lamp (IP65 or equivalent) (G1/2)						

3A
5A

Open frame
grommet lead wire 300 mm

► 5A (diode integrated)

Open frame HP terminal box (IP65 or equivalent)

5I, 5J (diode integrated)

Refer to the following cautions for Items ① to ①. GHH Conduit G(CTC19) H(G1/2)

Refer to "General Purpose Valves" (Catalog No. CB-03-1SA) for details on coil selection.

A Precautions for model No. selection

- *1: Orders for only the masking plate and sub-plate are also available. Contact CKD for details.

 Notes for Item

 B
- *2: For 11 or more manifold station No., contact CKD.

*3: Coils for 5A, 5I, 5J have a diode to convert AC to DC voltage.

Notes for Items **(F)** to **(G)**

*4: For Item (F), select an option from G and H.

- *5: The surge suppressor is attached with the lead wire coil. When selecting a coil with a terminal box, the surge suppressor is mounted in the terminal box.
- *6: Surge suppressor is incorporated as standard in the coil with diode.

Notes for Item (1)

- *7: 100 VAC coil is compatible with 100 VAC 50/60 Hz, and 200 VAC coil is compatible with 200 VAC 50/60 Hz.
- *8: For voltages other than above, contact CKD.
- *9: The lead wire is available in the standard 300 mm length, and 500 mm, 1000 mm, 2000 mm and 3000 mm lengths. Contact CKD for more information.



3-port direct acting solenoid valve for dry air (General purpose valve)

AG3*/AG4*-Z Series

• Universal, NC pressurization, NO pressurization

Port size: Rc1/8, Rc1/4, Rc3/8

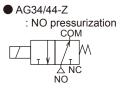




JIS symbol



AG33/43-Z : NC pressurization COM NO NO NC



Common specifications

Descriptions		Standard specifications					
Working fluid		For dry air (atmospheric dew point -60°C and over)/inert gas/low vacuum [1.33 x 10² Pa (abs)]					
Working pressure differential	MPa	0 to 1 (refer to max. working pressure differential in individual specifications.)					
Proof pressure (water pressure)	MPa	25					
Fluid temperature	°C	-10 to 45 (no freezing)					
Ambient temperature	°C	-10 to 45					
Thermal class		Class 130 (B)					
Atmosphere		Place free of corrosive gas and explosive gas					
Valve structure		Direct acting poppet structure					
Valve seat leakage cm³/min	(ANR)	0.2 or less					
Mounting orientation		Unrestricted					

Descriptions		Orifice s	ize (mm)	Max. working pressure differential	May working procesure	Rated	Power con	sumption (W)	Weight
Model No.	Port size	TOP	BODY	(MPa)	MPa	voltage	AC	DC	(kg)
Universal									
AG31- 01 -1-****Z	Rc1/8	1.5	1.5	0.7					0.45
-2-****Z	Rc1/4	2.0	2.0	0.4					
AG41-02 -1-****Z	Rc1/4	2.0	2.0	0.65	'	1			0.57 (Rc1/4)
-2-****Z	Rc3/8	2.3	2.3	0.4		100 VAC			0.57 (Rc1/4) 0.59 (Rc3/8)
NC pressurization						50/60 Hz			
AG33- 01 02 -1-****Z	Rc1/8	1.5	1.5	1.0			17	14	0.45
-2-****Z	Rc1/4	2.0	2.0	0.7		200 VAC			
AG43- 02 03 -4-****Z	Rc1/4	3.0	3.0	0.7	'	50/60 Hz			0.57 (Rc1/4) 0.59 (Rc3/8)
-5-****Z	Rc3/8	3.5	3.0	0.4					(Rc3/8)
NO pressurization						12 VDC			
AG34- 011-****Z	Rc1/8	1.5	1.5	1.0		24 VDC 48 VDC			0.45
-2-****Z	Rc1/4	2.0	2.0	0.45					0.45
AG44- 02 -1-****Z	Rc1/4	2.0	2.0	0.75	1.5	100 VDC			0.57
-3-****Z		2.0	3.0	0.7					(Rc1/4) 0.59
-4-****Z	Rc3/8	3.0	3.0	0.25					(Rc3/8)

^{*1:} The model numbers above show the basic port size (Rc). Refer to How to order for other combinations.

 $^{^{*}5:} When using at low vacuum, vacuum the NO port side of NC pressurization type or the NC port side of NO pressurization type. \\$

current	Voltage Model No. AG31/33/34-*-****Z	100 VAC	200 VAC	12 VDC	24 VDC	48 VDC	100 VDC
kage	AG31/33/34-*-****Z	6 mA or less	3 mA or less	40 mA or less	20 mA or less	10 mA or less	5 mA or less
Lea		8 mA or less	4 mA or less	40 mA or less	20 mA or less	10 mA or less	5 mA or less

^{*2:} The port size model No. is 01 for Rc1/8 (6A), 02 for Rc1/4 (8A) and 03 for Rc3/8 (10A).

^{*3:} The voltage fluctuation range must be within ±10% of the rated voltage.

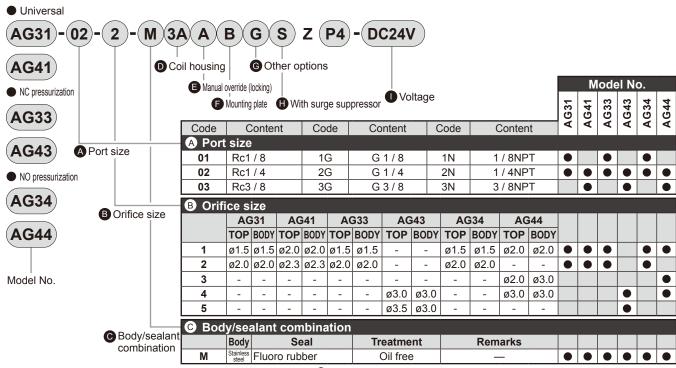
^{*4:} The leakage current must be less than or equal to the values shown below.

Compatibility table by variation

	AG3/AG4-Z
Classification	Direct acting 3-port valve for dry air
Body material	Stainless steel
P4	•
P40	•

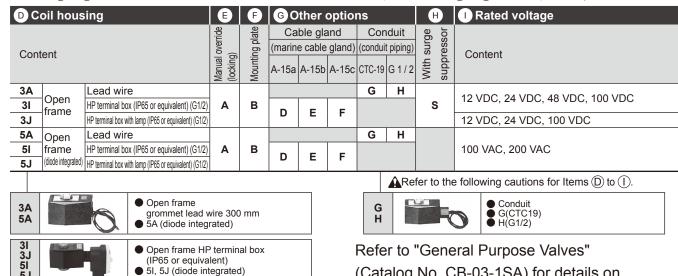
- *1: Body material Select from stainless steel products
- *2: Body material/Seal combination code M only.
- *3: Pipe material is SUS316.

How to order



The combinations indicated with
in the above table are available.

For Items (1) to (1), the combinations indicated with codes are available. Note that if options for Items (2) to (1) are not required, they should be left blank.



Precautions for model No. selection

*1: Coils for 5A, 5I, 5J have a diode to convert AC to DC voltage. Voltage of less than 100 VAC is not available.

Notes for Items **G** to **H**

- *2: For ⑤, select an option from G and H.
- *3: The surge suppressor is attached with the lead wire coil. When selecting a coil with a terminal box, the surge suppressor is mounted in the terminal box.
- *4: Surge suppressor is incorporated as standard in the coil with diode

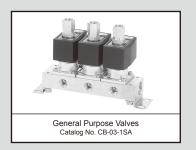
Notes for Item

coil selection.

*5: 100 VAC coil is compatible with 100 VAC 50/60 Hz, and 200 VAC coil is compatible with 200 VAC 50/60 Hz.

(Catalog No. CB-03-1SA) for details on

- *6: For voltages other than above, contact CKD.
- *7: he lead wire is available in the standard 300 mm length, and 500 mm, 1000 mm, 2000 mm and 3000 mm lengths. Contact CKD for more information.



Direct acting 3-port solenoid valve for dry air, manifold/actuator (general purpose valve)

GAG31*/GAG35*/GAG41*/GAG45* -Z Series

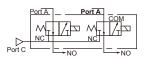
- Universal
- Common supply/individual exhaust, common supply/separate flow



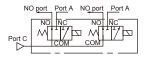


Manifold circuit configuration Common specifications

 GAG31*/41*-Z (common supply/individual exhaust)



 GAG35*/45*-Z (common supply/separate flow)



Descriptions		Standard specifications
Working fluid		For dry air (atmospheric dew point -60°C and over)/inert gas/low vacuum [1.33 x 10² Pa (abs)]
Working pressure differential	MPa	0 to 1 (refer to max. working pressure differential in individual specifications.)
Max. working pressure	MPa	1
Proof pressure (water pressure)	MPa	10
Fluid temperature	°C	-10 to 45 (no freezing)
Ambient temperature	°C	-10 to 45
Thermal class		Class 130 (B)
Atmosphere		Place free of corrosive gas and explosive gas
Valve structure		Direct acting poppet structure
Valve seat leakage cm³/min	(ANR)	0.2 or less
Mounting orientation		Unrestricted

Descriptions	NO	Orifice size (mm)		Max. working pressure	Rated	Power consun	nption (W)
Model No.	port size	TOP	BODY	differential (MPa)	voltage	AC50/60 Hz	DC
GAG 311-1-Z	Rc1/8	1.5	1.5	0.7	100 VAC		
351-2-Z	KC1/0	2.0	2.0	0.4	50/60 Hz	17	
GAG 312-1-Z	Rc1/4	1.5	1.5	0.7	200 VAC		
352-2-Z	RC1/4	2.0	2.0	0.4	50/60 Hz		14
GAG 412-1-Z	Rc1/4	2.0	2.0	0.65			14
452-2-Z	RC1/4	2.3	2.3	0.4	12 VDC		
GAG 413-1-Z	Rc3/8	2.0	2.0	0.65	24 VDC 48 VDC		
453-2-Z	KG9/0	2.3	2.3	0.4	100 VDC		

- *1: The model numbers above are for the basic NO port size and orifice size. Refer to How to order for other combinations.
- *2: For the sizes of ports A and C, refer to "How to order and Dimensions" ("General Purpose Valves" (Catalog No. CB-03-1SA)).
- *3: The voltage fluctuation range must be within ±10% of the rated voltage.
- *4: When using in a continuously energized state, use fluoro rubber seal.
- *5: The leakage current must be less than or equal to the values shown below.

current	Voltage Model No. GAG31*-*****Z GAG41*-*****Z	100 VAC	200 VAC	12 VDC	24 VDC	48 VDC	100 VDC
kage	GAG31*-****Z	6 mA or less	3 mA or less	40 mA or less	20 mA or less	10 mA or less	5 mA or less
8	GAG41*-*****Z	8 mA or less	4 mA or less	40 mA or less	20 mA or less	10 mA or less	5 mA or less

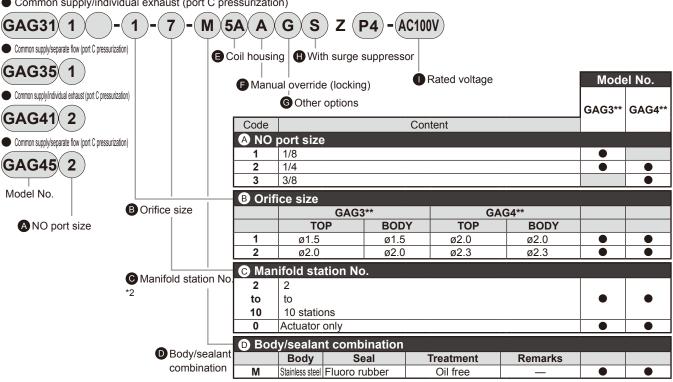
Compatibility table by variation

	GAG3/GAG4-Z
Classification	Direct acting 3-port valve for dry air
Body material	Stainless steel
P4	•
P40	•

- *1: Body material Select from stainless steel products.
- *2: Body material/Seal combination code M only
- *3: Pipe material is SUS316.

How to order

Common supply/individual exhaust (port C pressurization)



The combinations indicated with
in the above table are available.

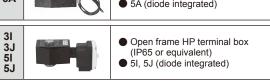
G

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For Items (E) to (1), the combinations indicated with codes are available. Note that if options for Items (F) to (H) are not required, they should be left blank.

■ Co	E Coil housing		F	G Othe	r options	H	□ Rated voltage	
Conte	Content			Conduit (conduit piping		surge	Content	
			Manual override (locking)	CTC-19	G1/2	With		
3A	0	Lead wire		G	Н		12 VDC, 24 VDC, 48 VDC, 100 VDC	
31	Open frame	HP terminal box (IP65 or equivalent) (G1/2)	Α			S	12 VDC, 24 VDC, 46 VDC, 100 VDC	
3J	liailie	HP terminal box with lamp (IP65 or equivalent) (G1/2)					12 VDC, 24 VDC, 100 VDC	
5A	Open	Lead wire		G	Н			
51	frame	HP terminal box (IP65 or equivalent) (G1/2)	Α				100 VAC, 200 VAC	
5J	(diode integrated)	HP terminal box with lamp (IP65 or equivalent) (G1/2)						
		·			A Re	efer to the	e following cautions for Items (F) to (1)	

Open frame grommet lead wire 300 mm 5A (diode integrated)



● H(G1/2) Refer to "General Purpose Valves" (Catalog No. CB-03-1SA) for details on

Conduit

● G(CTC19)

Precautions for model No. selection

*1: Orders for only the masking plate and sub-plate are also available. Contact CKD for details.

Notes for Item

O

2: For 11 or more manifold station No., contact CKD.

Notes for Item (E)

*3: Coils for 5A, 5I, 5J have a diode to convert AC to DC voltage.

Notes for Items **G** to **H**

*4: For Item ©, select an option from G and H.

- *5: The surge suppressor is attached with the lead wire coil. When selecting a coil with a terminal box, the surge suppressor is mounted in the terminal box.
- *6: Surge suppressor is incorporated as standard in the coil with diode.

Notes for Item

coil selection.

- *7: 100 VAC coil is compatible with 100 VAC 50/60 Hz, and 200 VAC coil is compatible with 200 VAC 50/60 Hz.
- *8: For voltages other than above, contact CKD.
- *9: The lead wire is available in the standard 300 mm length, and 500 mm. 1000 mm, 2000 mm and 3000 mm lengths. Contact CKD for more information.



Direct acting 3-port solenoid valve for dry air, manifold/actuator (general purpose valve)

GAG33*/GAG43*-Z Series

NC pressurization

Common specifications

Atmosphere

Valve structure

Valve seat leakage cm³/min (ANR)

Mounting orientation

Common supply/individual exhaust

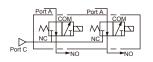




JIS symbol

GAG33*/GAG43*-Z

(common supply/individual exhaust)



Descriptions		Standard specifications
) Working fluid		For dry air (atmospheric dew point -60°C and over)/inert gas/low vacuum [1.33 x 10² Pa (abs)]
Working pressure differential	MPa	0 to 1 (refer to max. working pressure differential in individual specifications.)
Max. working pressure	MPa	1
Proof pressure (water pressure)	MPa	10
Fluid temperature	°C	-10 to 45 (no freezing)
Ambient temperature	°C	-10 to 45
Thermal class		Class 130 (B)

Place free of corrosive gas and explosive gas

Direct acting poppet structure

0.2 or less

Unrestricted

Descriptions	NO	Orifice s	ize (mm)	Max. working pressure	Rated	Power consum	ption (W)
Model No.	port size	TOP	BODY	differential (MPa)	voltage	AC50/60 Hz	DC
GAG331-1-Z	Rc1/8	1.5	1.5	1.0	100 VAC		
-2-Z	KC1/0	2.0	2.0	0.7	50/60 Hz	17	14
GAG332-1-Z	D-4/4	1.5	1.5	1.0	200 VAC 50/60 Hz		
-2-Z	Rc1/4	2.0	2.0	0.7			
GAG432-4-Z	Rc1/4	3.0	3.0	0.7			
-5-Z	RC1/4	3.5	3.0	0.4	12 VDC		
GAG433-4-Z	Rc3/8	3.0	3.0	0.7	24 VDC 48 VDC		
-5-Z	KG3/0	3.5	3.0	0.4	100 VDC		

^{*1:} The model numbers above are for the basic NO port size (Rc) and orifice size. Refer to How to order for other combinations.

^{*5:} When using at low vacuum, vacuum the NO port side.

current	Voltage Model No.	100 VAC	200 VAC	12 VDC	24 VDC	48 VDC	100 VDC
kage		6 mA or less	3 mA or less	40 mA or less	20 mA or less	10 mA or less	5 mA or less
Fea		8 mA or less	4 mA or less	40 mA or less	20 mA or less	10 mA or less	5 mA or less

^{*2:} For the sizes of ports A and C, refer to "How to order and Dimensions" ("General Purpose Valves" (Catalog No. CB-03-1SA)).

^{*3:} The voltage fluctuation range must be ±10% of the rated voltage.

^{*4:} The leakage current must be less than or equal to the values shown below.

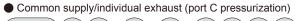
luid control omponents

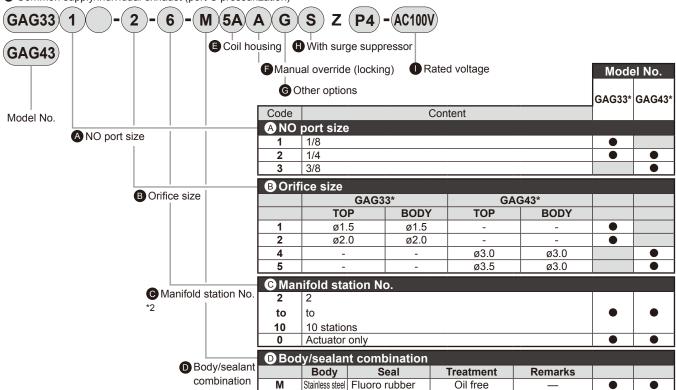
Compatibility table by variation

	GAG3/GAG4-Z
Classification	Direct acting 3-port valve for dry air
Body material	Stainless steel
P4	•
P40	•

- *1: Body material Select from stainless steel products.
- *2: Body material/Seal combination code M only
- *3: Pipe material is SUS316.

How to order





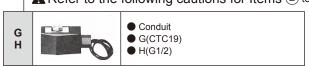
The combinations indicated with
in the above table are available.

For Items (E) to (1), the combinations indicated with codes are available. Note that if options (F) to (H) are not required, they should be blank.

•	1 of items (2) to (1), the combinations indicated with codes are available. Note that if options (1) to (1) are not required, they should be blank.								
E Coil housing				F		G Other options		H	■ Rated voltage
	Con	ontent		Manual	override (locking)		duit piping) G1/2	With surge suppressor	Content
	3A 3I 3J	Open	Lead wire HP terminal box (IP65 or equivalent) (G1/2)		Α	G	Н	s	12 VDC, 24 VDC, 48 VDC, 100 VDC
_	3J	frame	HP terminal box with lamp (IP65 or equivalent) (G1/2)					12 VDC, 24 VDC, 100 VDC	
	5A	Open	Lead wire	Α	G	Н			
	5I	4	HP terminal box (IP65 or equivalent) (G1/2)					100 VAC, 200 VAC	
_	<u>5J</u>	(diode integrated)	HP terminal box with lamp (IP65 or equivalent) (G1/2)						
	- 1						1		

♠ Refer to the following cautions for Items € to ①

3A 5A	Open frame grommet lead wire 300 mm5A (diode integrated)
3I 3J 5I 5J	Open frame HP terminal box (IP65 or equivalent)51, 5J (diode integrated)



Refer to "General Purpose Valves" (Catalog No. CB-03-1SA) for details on coil selection.

A Precautions for model No. selection

*1: Orders for only the masking plate and sub-plate are also available. Contact CKD for details.

Notes for Item

*2: For 11 or more manifold station No., contact CKD.

Notes for Item 🛢

*3: Coils for 5A, 5I, 5J have a diode to convert AC to DC voltage.

Notes for Items **(G)** to **(H)**

- *7: 100 VAC coil is compatible with 100 VAC 50/60 Hz, and 200 VAC coil is
- compatible with 200 VAC 50/60 Hz. *8: For voltages other than above, contact CKD.
- *9: The lead wire is available in the standard 300 mm length, and 500 mm, 1000 mm, 2000 mm and 3000 mm lengths. Contact CKD for more information.

^{*4:} For Item ⑤, select an option from G and H.

^{*5:} The surge suppressor is attached with the lead wire coil. When selecting a coil with a terminal box, the surge suppressor is mounted in the terminal box.

*6: Surge suppressor is incorporated as standard in the coil with diode.