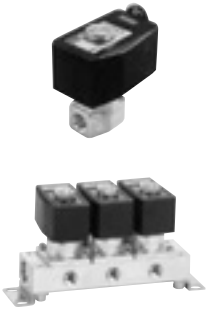


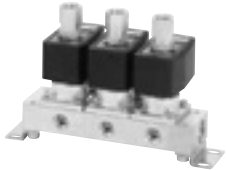



Series variation

2, 3-port solenoid valve for dry air General purpose

EXA
FWD
HNB/G
USB/G
FAB/G
FGB/G
FVB
FWB/G
FHB
FLB
AB
AG
AP/
AD
APK/
ADK
DryAir
EX-
XPLNprf
XPLNprf
HVB/
HVL
S ◇ B/
NAB
LAD/
NAD
Water-
Rela
NP/NAP/
NVP
SNP
CHB/G
MXB/G
Other
valves
SWD/
MWD
DustColl
CVE/
CVSE
CCH/
CPE/D
LifeSci
Gas-
Combus
Auto-
Water
Outdoor
SpecFld
Custom
Ending

No. of ports	Model		Structure	Remarks	
2-port		AB31-Z	Direct acting/single unit		
		AB41-Z			
		GAB312-Z	Direct acting/ manifold		
		GAB352-Z			
		GAB412-Z			
		GAB452-Z			
		ADK11-Z	Pilot kick (Diaphragm drive)		
3-port		AG31-Z	Direct acting/single unit		
		AG41-Z			
		AG33-Z			
		AG43-Z			
		AG34-Z			
		AG44-Z			
	 Actuator 	GAG31*-Z	Direct acting/ manifold		
		GAG35*-Z			
		GAG41*-Z			
		GAG45*-Z			
		GAG33*-Z			
		GAG43*-Z			
		GAG34*-Z			
		GAG44*-Z			

	Actuation		Fluid	Port size						Page
				Rc1/8	Rc1/4	Rc3/8	Rc1/2	Rc3/4	Rc1	
	NC (open when energized)		Dry air inert gas low vacuum	●	●					332
					●	●				332
										338
										338
										338
										338
										338
	Universal				●	●	●	●	●	360
				●	●					342
					●	●				342
					●	●				342
	NC pressurization				●	●				342
					●	●				342
	NO pressurization				●	●				342
					●	●				342
	Universal	Common supply/ individual exhaust		●*1*2	●*1*2					348
		Common supply separate flow		●*1*2	●*1*2				348	
		Common supply/ individual exhaust			●*1*2	●*1*2			348	
		Common supply separate flow			●*1*2	●*1*2			348	
	NC pressurization	Common supply/ individual exhaust	●*1*2	●*1*2					352	
				●*1*2	●*1*2				352	
	NO pressurization		●*1*2	●*1*2					356	
				●*1*2	●*1*2				356	

*1 : A port: Rc1/4, C port: Rc3/8
*2 : ● indicates NO port.

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FLB
AB
AG
AP/ AD
APK/ ADK
DryAir
EX- XPLNprf
XPLNprf
HVB/ HVL
S [◇] B/ NAB
LAD/ NAD
Water- Rela
NP/NAP/ NVP
SNP
CHB/G
MXB/G
Other valves
SWD/ MWD
DustColl
CVE/ CVSE
CCH/ CPE/D
LifeSci
Gas- Combus
Auto- Water
Outdoor
SpecFld
Custom
Ending

Coil selection guide

EXA
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HNB/G
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● Coil housing types and selection guide (excluding explosion-proof)

Various types are available according to the application.

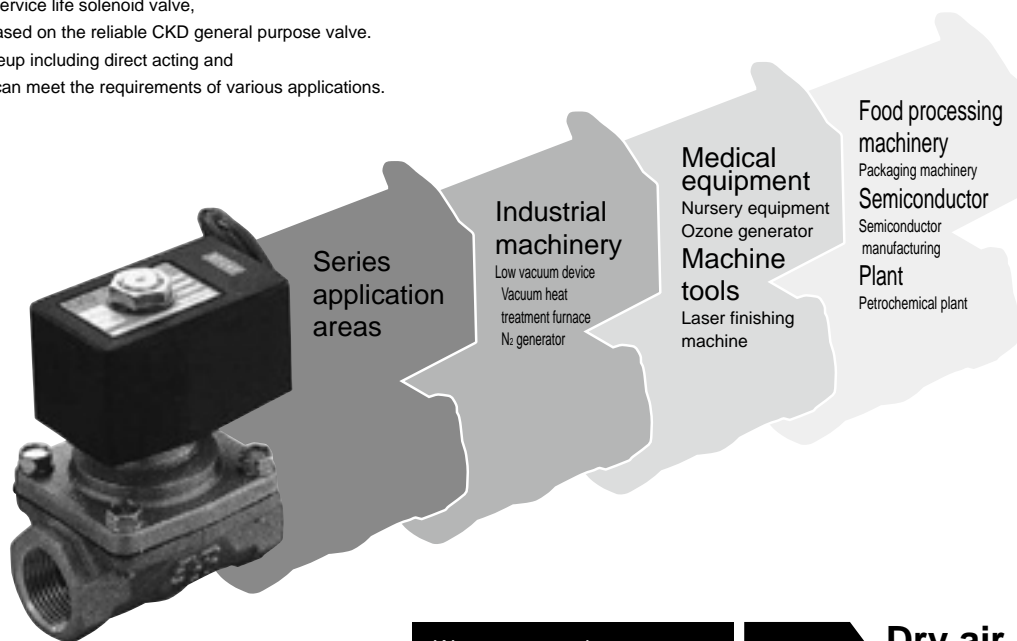
Refer to the structure and features to select the optimum model.

Coil system	Open frame	Thermal class 130 (B) mold	Lead wire	HP terminal box	Lead wire	HP terminal box	Lead wire	HP terminal box	Lead wire	HP terminal box	Conduit
		<ul style="list-style-type: none"> ● For DC ● Degree of protection: IP65 or equivalent ● Cannot be used outdoors 	<ul style="list-style-type: none"> ● Lead wire length 300 mm ● Conduit (CTC19) for direct piping can be attached 								3A
		<ul style="list-style-type: none"> ● For DC ● Degree of protection: IP21 or equivalent ● Cannot be used outdoors 		<ul style="list-style-type: none"> ● Easy wiring ● Indicator lamp available 							3M 3N
		<ul style="list-style-type: none"> ● For DC ● Degree of protection: IP65 or equivalent ● Cannot be used outdoors 		<ul style="list-style-type: none"> ● Easy wiring ● Indicator lamp available 							3I 3J
		<ul style="list-style-type: none"> ● Diode in the coil converts AC to DC. ● AC dedicated (50/60 Hz common) ● Degree of protection: IP65 or equivalent ● Cannot be used outdoors 	<ul style="list-style-type: none"> ● Lead wire length 300 mm ● Conduit (CTC19) for direct piping can be attached. 								5A
		<ul style="list-style-type: none"> ● Diode in the coil converts AC to DC. ● AC dedicated (50/60 Hz common) ● Degree of protection: IP21 or equivalent ● Cannot be used outdoors 		<ul style="list-style-type: none"> ● Easy wiring ● Indicator lamp available 							5M 5N
		<ul style="list-style-type: none"> ● Diode in the coil converts AC to DC. ● AC dedicated (50/60 Hz common) ● Degree of protection: IP65 or equivalent ● Perfect for places where whirring noise should be prevented. ● Cannot be used outdoors 		<ul style="list-style-type: none"> ● Easy wiring ● Indicator lamp available 							5I 5J
											G H

Achieves long service life even with ultra dry air.

Ideal for managing dry air with the atmospheric dew point of -60°C as well as inert gas and low vacuum. Solenoid valve for dry air, capable of sustaining high performance for a long period of time.

The CKD solenoid valve for dry air is a long service life solenoid valve, created based on the reliable CKD general purpose valve. A wide lineup including direct acting and pilot kick can meet the requirements of various applications.



We recommend the solenoid valve for dry air for the following fluids.

Dry air

Inert gas

Low vacuum

N₂Ar
He gas

0.133 kPa
{1 Torr} or more

Oil-prohibited product

This valve is suited to fluids susceptible to oil and dust, such as dry air, nitrogen gases, helium and low vacuum 0.133 kPa {1 Torr}. (AB31/AB41 / AB41E4)

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APK/ADK
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EX-XPLNprf
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HVB/HVL
S [◇] B/NAB
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Water-Rela
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CCH/CPE/D
LifeSci
Gas-Combus
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