



Compact direct acting 2-port solenoid valve

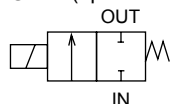
USB2 Series

- NC (open when energized)
- Port size: M5



JIS symbol

- NC (open when energized)



Specifications

Item	USB2-M5-1		USB2-M5-2	
Working fluid	Air, water, dry air, low vacuum [1.33×10^2 Pa(abs)]			
Working pressure differential MPa	0 (≈ 0 psi, 0 bar) to 0.7 (≈ 100 psi, 7 bar)		0 (≈ 0 psi, 0 bar) to 0.3 (≈ 44 psi, 3 bar)	
Proof pressure (water pressure) MPa	1.5 (≈ 220 psi, 15 bar)			
Fluid temperature °C	-10 (14°F) to 60 (140°F) (no freezing)			
Ambient temperature °C	-20 (-4°F) to 50 (122°F)			
Valve seat leakage cm ³ /min	0.2 or less (air)			
Mounting orientation	Unrestricted			
Weight kg	0.07			
Port size	M5		M5	
Orifice size mm	1		1.5	
Cv	0.03		0.06	
C[dm ³ /(s·bar)]	0.13		0.28	
b	0.57		0.46	

Electrical specifications

Rated voltage		12 VDC, 24 VDC (Option: 100 VAC 50/60 Hz, 200 VAC 50/60 Hz)
Voltage fluctuation range		±10%
Power	DC	3
consumption W	AC	4
Thermal class		Class 130 (B)

*1 : If the solenoid valve will remain inactive for long periods when using water, the HB Series high corrosion proof solenoid valve (page 967) is recommended.

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

*3 : When using at low vacuum, vacuum the OUT port side.

How to order

USB2 - M5 - 1 - 0 - DC24V

Model No.

Port size
M5

A Orifice

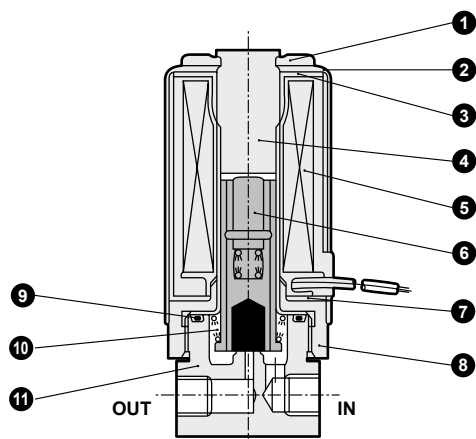
B Body/
sealant combination

C Voltage

Code	Description		
A Orifice			
1	ø1.0		
2	ø1.5		
B Body/sealant combination			
	Body	Seal	Treatment
Blank	Stainless steel	Nitrile rubber	-
L			Oil-prohibited
0	Copper alloy		-
C Voltage			
DC12V	Standard	12 VDC	
DC24V		24 VDC	
AC100V	Option	100 VAC 50/60 Hz	
AC200V		200 VAC 50/60 Hz	

Internal structure and parts list

● USB2-M5



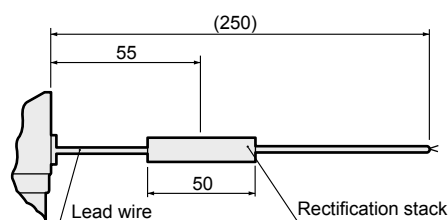
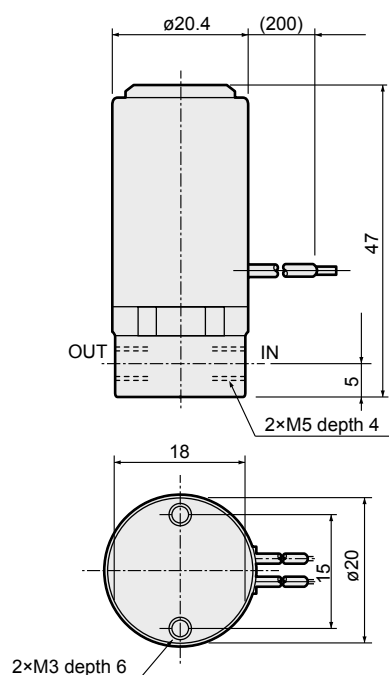
No.	Part name	Material	
1	Clip	PBT	Polybutylene terephthalate
2	Bonnet	SPC	Steel
3	Sub core	SPC	Steel
4	Core assembly	SUS405 or equiv., SUS316	Stainless steel
5	Coil assembly	-	-
6	Plunger assembly	SUS405 or equiv., SUS303, NBR	Stainless steel, nitrile rubber
7	Wave washer	S65CM	Steel
8	Core B	SUM22	Free-cutting steel
9	O-ring	NBR	Nitrile rubber
10	Plunger spring	SUS304	Stainless steel
11	Body	SUS303(C3604)	Stainless steel (copper alloy)

() shows options.

Dimensions



● USB2-M5



At AC, the alternating current (AC) type has a rectification stack assembled into the lead wire.

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

EXA

FWD

HNB/G

USB/G

FAB/G

FGB/G

FVB

FWB/G

FHB

FLB

AB

AG

AP/
ADAPK/
ADK

DryAir

EX-
XPLNprf

XPLNprf

HVB/
HVLS $\diamond$ B/
NABLAD/
NADWater-
RelaNP/NAP/
NVP

SNP

CHB/G

MXB/G

Other
valvesSWD/
MWD

DustColl

CVE/
CVSECCH/
CPE/D

LifeSci

Gas-
CombusAuto-
Water

Outdoor

SpecFld

Custom

Ending



Compact direct acting 2-port solenoid valve

USB3 Series

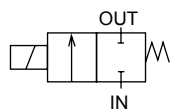
- NC (open when energized)
- Working fluids: Air, water, dry air, low vacuum
- Port size: Rc1/8

RoHS

CAD

JIS symbol

- NC (open when energized)



Specifications

1 MPa = 10 bar

Item	USB3-6-1	USB3-6-2	USB3-6-3
Working fluid	Air, water, dry air, low vacuum [1.33×10^2 Pa(abs)]		
Working pressure differential MPa	0 (≈ 0 psi) to 0.9 (≈ 130 psi)	0 (≈ 0 psi) to 0.4 (≈ 58 psi)	0 (≈ 0 psi) to 0.1 (≈ 15 psi)
Proof pressure (water pressure) MPa	2 (≈ 290 psi, 20 bar)		
Fluid temperature °C	-10 (14°F) to 60 (140°F) (no freezing)		
Ambient temperature °C	-20 (-4°F) to 50 (122°F)		
Valve seat leakage cm ³ /min	0.2 or less (air)		
Mounting orientation	Unrestricted		
Weight kg	0.13		
Port size	Rc1/8	Rc1/8	Rc1/8
Orifice size mm	1.6	2.3	3.2
Cv	0.09	0.18	0.3
C[dm ³ /(s·bar)]	0.34	0.64	1.2
b	0.56	0.51	0.48

Electrical specifications

Rated voltage		12 VDC, 24 VDC (Option: 100 VAC 50/60 Hz, 200 VAC 50/60 Hz)
Voltage fluctuation range		±10%
Power	DC	4
consumption W	AC	4
Thermal class		Class 120 (E) (molded coil: class 130 (B))

*1 : If the solenoid valve will remain inactive for long periods when using water, the HB Series high corrosion proof solenoid valve (page 967) is recommended.

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

*3 : When using at low vacuum, vacuum the OUT port side.

How to order

USB3 - 6 - 1 - B - DC24V

Model No.

Port size
Rc1/8

A Orifice size

B Body/sealant/coil combination

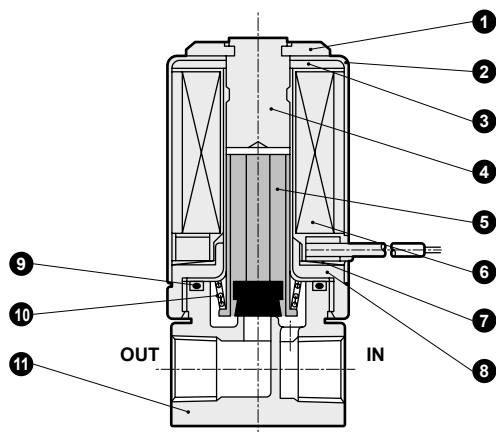
C Rated voltage

Code	Description				
A Orifice size					
1	ø1.6				
2	ø2.3				
3	ø3.2				
B Body/sealant/coil combination					
		Body	Seal	Coil	Treatment
Blank	Std.	Copper alloy	Nitrile rubber	Taped	-
B	Option		Fluoro rubber	Molded coil	Vacuum inspection (Note)
V					
D		Stainless steel	Nitrile rubber		-
E			Fluoro rubber		Vacuum inspection (Note)
W		Copper alloy		Taped	Oil-prohibited
H			Fluoro rubber		
J		Stainless steel		Molded coil	
L					
M					
C Rated voltage					
DC12V	Standard	12 VDC			
DC24V		24 VDC			
AC100V	Option	100 VAC 50/60 Hz			
AC200V		200 VAC 50/60 Hz			

(Note) For option codes "V" and "W", vacuum is inspected at "leakage rate: 1.33×10^{-6} Pa·m³/s or less".

Internal structure and parts list

● USB3-6



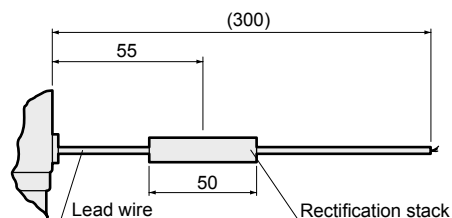
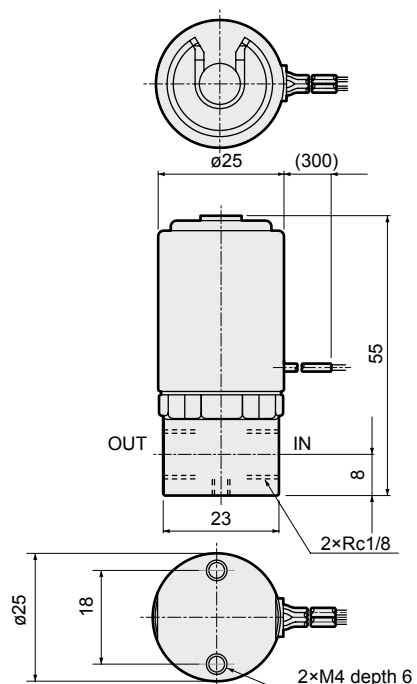
No.	Part name	Material	
1	Clip	PBT	Polybutylene terephthalate
2	Bonnet	SPC	Steel
3	Bonnet piece	SPC	Steel
4	Core assembly	SUS316, SUS405 or equivalent	Stainless steel
5	Plunger assembly	SUS405 or equivalent, NBR (FKM)	Stainless steel, nitrile rubber (fluoro rubber)
6	Coil assembly	-	-
7	Wave washer	S65CM	Steel
8	Core B	SUM22	Free-cutting steel
9	O-ring	NBR(FKM)	Nitrile rubber (fluoro rubber)
10	Plunger spring	SUS304	Stainless steel
11	Body	C3604(SUS303)	Copper alloy (stainless steel)

() shows options.

Dimensions



● USB3-6



At AC, the alternating current (AC) has a rectification stack assembled into the lead wire.

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



Compact direct acting 3-port solenoid valve

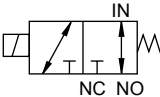
USG2 Series

- Universal
- Working fluids: Air, water, dry air, low vacuum
- Port size: M5



JIS symbol

- Universal



Specifications

1 MPa ≈ 145.0 psi, 1 MPa = 10 bar

Item	USG2-M5-1	USG2-M5-2
Working fluid	Air, water, dry air, low vacuum [1.33 x 10 ² Pa(abs)]	
Working pressure differential MPa	0 to 0.7 (0 to 0.3 when NO pressurized)	0 to 0.3 (0 to 0.1 when NO pressurized)
Proof pressure MPa	1.5 (≈220 psi, 15 bar)	
Fluid temperature °C	-10 (14°F) to 60 (140°F) (no freezing)	
Ambient temperature °C	-20 (-4°F) to 50 (122°F)	
Valve seat leakage cm ³ /min	0.2 or less (pneumatic pressure)	
Mounting orientation	Unrestricted	
Weight kg	0.07	
Port size	M5	M5
Orifice size mm	1	1.5
Cv	0.03	0.06
C[dm ³ /(s·bar)]	0.13	0.28
b	0.57	0.46

Electrical specifications

Rated voltage	12 VDC, 24 VDC (Option: 100 VAC 50/60 Hz, 200 VAC 50/60 Hz)	
Voltage fluctuation range	±10%	
Power consumption W	DC	3
	AC	4
Thermal class	Class 130 (B)	

*1 : Contact CKD if the solenoid valve will remain inactive for long periods when using water.

*2 : When using in a continuously energized state, contact CKD.

*3 : Effective cross-sectional area S and sonic conductance C are converted as S ≈ 5.0 x C.

How to order

USG2 - M5 - 1 - 0 - DC24V

Model No.

Port size
M5

A Orifice size

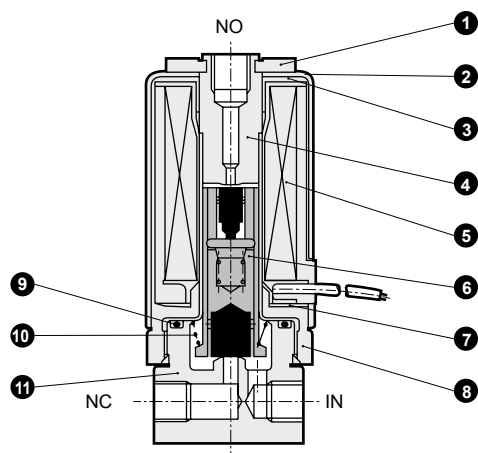
B Body/sealant combination

C Rated voltage

Code	Description	
A Orifice size		
1	ø1.0	
2	ø1.5	
B Body/sealant combination		
	Body	Seal
Blank	Stainless steel	Nitrile rubber
0	Copper alloy	Nitrile rubber
C Rated voltage		
DC12V	Standard	12 VDC
DC24V		24 VDC
AC100V	Option	100 VAC 50/60 Hz
AC200V		200 VAC 50/60 Hz

Internal structure and parts list

● USG2-M5

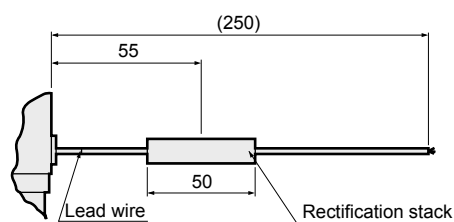
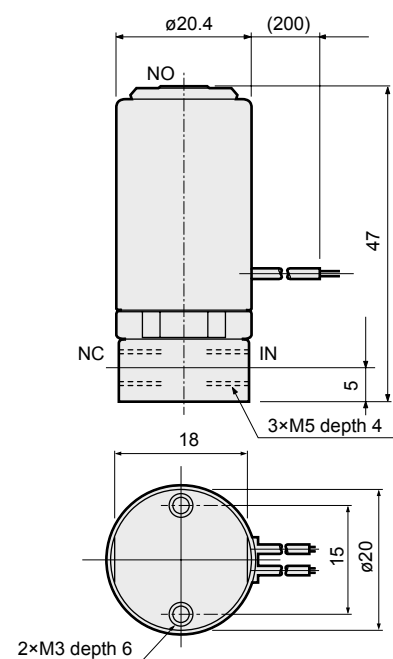


No.	Part name	Material
1	Clip	PBT Polybutylene terephthalate
2	Bonnet	SPC Steel
3	Sub core	SPC Steel
4	Core assembly	SUS316, SUS405 or equivalent Stainless steel
5	Coil assembly	- -
6	Plunger assembly	SUS405 or equivalent, NBR Stainless steel, nitrile rubber
7	Wave washer	S65CM Steel
8	Core B	SUM22 Free-cutting steel
9	O-ring	NBR Nitrile rubber
10	Plunger spring	SUS304 Stainless steel
11	Body	SUS303(C3604) Stainless steel (copper alloy)

() shows options.

Dimensions

● USG2-M5



At AC, the alternating current (AC) has a rectification stack assembled into the lead wire.

EXA

FWD

HNB/G

USB/G

FAB/G

FGB/G

FVB

FWB/G

FHB

FLB

AB

AG

AP/
ADAPK/
ADK

DryAir

EX-
XPLNprf

XPLNprf

HVB/
HVLS ◇ B/
NABLAD/
NADWater-
RelaNP/NAP/
NVP

SNP

CHB/G

MXB/G

Other
valvesSWD/
MWD

DustColl

CVE/
CVSECCH/
CPE/D

LifeSci

Gas-
CombusAuto-
Water

Outdoor

SpecFld

Custom

Ending



Compact direct acting 3-port solenoid valve

USG3 Series

- Universal
- Working fluids: Air, water, dry air, low vacuum
- Port size: Rc1/8

RoHS

CAD

JIS symbol

- Universal



Specifications

1 MPa ≈ 145.0 psi, 1 MPa = 10 bar

Item	USG3-6-1	USG3-6-2
Working fluid	Air, water, dry air, low vacuum [1.33×10^2 Pa(abs)]	
Working pressure differential MPa	0 to 0.7 (0 to 0.3 when NO pressurized)	0 to 0.3 (0 to 0.1 when NO pressurized)
Proof pressure MPa	2 (≈290 psi, 20 bar)	
Fluid temperature °C	-10 (14°F) to 60 (140°F) (no freezing)	
Ambient temperature °C	-20 (-4°F) to 50 (122°F)	
Valve seat leakage cm ³ /min	0.2 or less (air)	
Mounting orientation	Unrestricted	
Weight kg	0.14	
Port size	Rc1/8	Rc1/8
Orifice size mm	1.2	1.8
Cv	0.05	0.1
C[dm ³ /(s·bar)]	0.19	0.42
b	0.57	0.5

Electrical specifications

Rated voltage	12 VDC, 24 VDC (Option: 100 VAC 50/60 Hz, 200 VAC 50/60 Hz)	
Voltage fluctuation range	±10%	
Power consumption	DC	4
	W AC	4
Thermal class	Class 120 (E) (molded coil: class 130 (B))	

*1 : Contact CKD if the solenoid valve will remain inactive for long periods when using water.

*2 : When using in a continuously energized state, select FKM for the sealant material.

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

How to order

USG3 - 6 - 1 - B - DC24V

Model No.

Port size
Rc1/8

A Orifice size

B Body/sealant/coil
combination

C Rated voltage

Code	Description
A Orifice size	
1	ø1.2
2	ø1.8

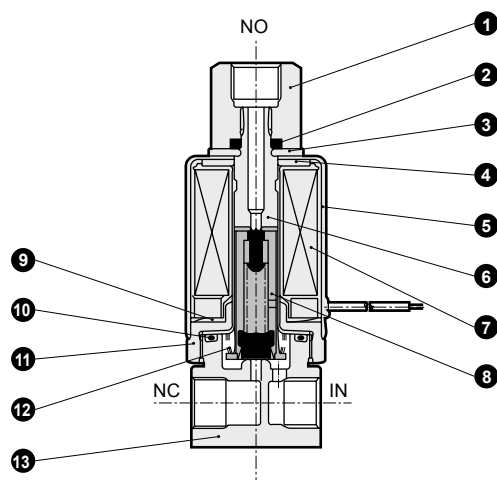
B Body/sealant/coil combination					
		Body	Seal	Coil	Treatment
Blank	Std.	Copper	Nitrile rubber	Taped	-
B	Option	alloy	Fluoro rubber	Molded coil	Vacuum inspection(Note)
V		Stainless steel	Nitrile rubber		-
D			Fluoro rubber		Vacuum inspection(Note)
E				Molded coil	Oil-prohibited
W		Copper	Nitrile rubber		
H		alloy	Fluoro rubber		
J	Option	Stainless steel	Nitrile rubber	Molded coil	Oil-prohibited
L					
M			Fluoro rubber		

C Rated voltage		
DC12V	Standard	12 VDC
DC24V		24 VDC
AC100V	Option	100 VAC 50/60 Hz
AC200V		200 VAC 50/60 Hz

(Note) : For option codes "V" and "W", vacuum is inspected at "leakage rate: 1.33×10^{-6} Pa·m³/s or less".

Internal structure and parts list

● USG3-6



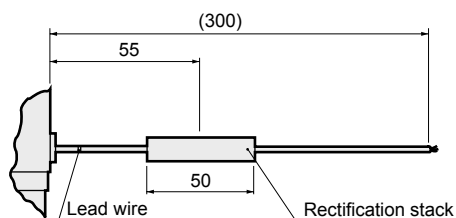
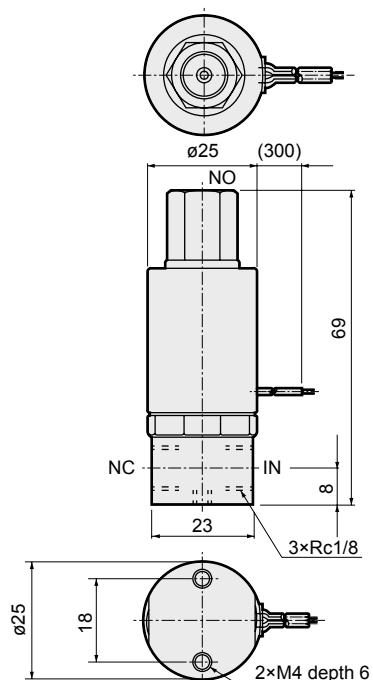
No.	Part name	Material
1	Socket	C3604(SUS303) : Copper alloy (stainless steel)
2	O-ring	NBR(FKM) : Nitrile rubber (fluoro rubber)
3	Washer	SPC : Steel
4	Bonnet piece	SPC : Steel
5	Bonnet	SPC : Steel
6	Core assembly	SUS316, SUS405 or equivalent : Stainless steel
7	Coil assembly	- : -
8	Plunger assembly	SUS405 or equivalent, NBR (FKM) : Stainless steel, nitrile rubber (fluoro rubber)
9	Wave washer	S65CM : Steel
10	O-ring	NBR(FKM) : Nitrile rubber (fluoro rubber)
11	Core B	SUM22 : Free-cutting steel
12	Plunger spring	SUS304 : Stainless steel
13	Body	C3604(SUS303) : Copper alloy (stainless steel)

() shows options.

Dimensions



● USG3-6



At AC, the alternating current (AC) has a rectification stack assembled into the lead wire.

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

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



Compact direct acting 2, 3-port solenoid valve

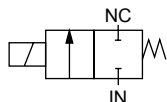
US (resin body) Series

- NC (open when energized), universal
- Port size: M6, barbed fitting (compatible tube size $\varnothing 6 \times \varnothing 4$), 1/4-28UNF

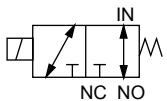


JIS symbol

- USB (2-port valve)
: NC (open when energized)



- USG (3-port valve)
: Universal



Common specifications

Item	USB/USG
Working fluid	Refer to the working fluid in individual specifications.
Working pressure differential MPa	0 (≈ 0 psi, 0 bar) to 0.9 (≈ 100 psi, 9 bar) (refer to max. working pressure differential in individual specifications.)
Proof pressure MPa	1.5 (≈ 220 psi, 15 bar) (US*2), 2 (≈ 290 psi, 20 bar) (US*3) (water pressure)
Fluid temperature $^{\circ}\text{C}$	0 (32°F) to 60 (140°F) (no freezing)
Ambient temperature $^{\circ}\text{C}$	0 (32°F) to 50 (122°F)
Thermal class	Class 130 (B)
Atmosphere	No explosive or corrosive atmospheres
Valve seat leakage cm^3/min	0.2 or less (in air)
Port size	1/4-28UNF M6/barbed fitting (compatible tube size $\varnothing 6 \times \varnothing 4$)
Mounting orientation	Unrestricted
Rated voltage	24 VDC/12 VDC
Treatment	Oil-prohibited

Individual specifications

1 MPa $\approx$ 145.0 psi, 1 MPa = 10 bar

Item		Working fluid	Orifice size [mm]	Cv	C[dm³/(s·bar)]	b	Max. working press diff [MPa]	Power consumption [W]
Model No.								
2-port valve (Item ㊦ Wetted metal material: 2 (equivalent to SUS316))								
USB2- *	-1	Water/pure water (*1)	1	0.03	0.13	0.36	0.6	3
	-2		1.5	0.06	0.27	0.28	0.3	3
USB3- *	-1		1.6	0.08	0.32	0.30	0.7	4
	-2		2.3	0.13	0.45	0.30	0.3	4
3-port valve (Item ㊦ Wetted metal material: 2 (equivalent to SUS316))								
USG2- *	-1	Water/pure water (*1)	1	0.03	0.13	0.36	0.6 (NO press'ed 0.2)	3
	-2		1.5	0.06	0.27	0.28	0.3 (NO press'ed 0.1)	3
USG3- *	-1		1.6	0.08	0.32	0.30	0.2 (NO press'ed 0.08)	4
2-port valve (Item ㊦ Wetted metal material: 1 (equivalent to SUS405))								
USB2- *	-1	Air/water/ dry air/low vacuum [1.33 x 10² Pa(abs)] (*1)	1	0.03	0.13	0.36	0.7	3
	-2		1.5	0.06	0.27	0.28	0.3	3
USB3- *	-1		1.6	0.08	0.32	0.30	0.9	4
	-2		2.3	0.13	0.45	0.30	0.3	4
3-port valve (Item ㊦ Wetted metal material: 1 (equivalent to SUS405))								
USG2- *	-1	Air/water/ dry air/low vacuum [1.33 x 10² Pa(abs)] (*1)	1	0.03	0.13	0.36	0.7 (0.3 for NO)	3
	-2		1.5	0.06	0.27	0.28	0.3 (NO press'ed 0.1)	3
USG3- *	-1		1.6	0.08	0.32	0.30	0.3 (NO press'ed 0.1)	4

*1 : Check the compatibility between the wetted part material and working fluid before using chemical liquid for washing.

*2 : When using a 3-port valve in a continuously energized state, select FKM for the sealant material.

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

*4 : When using a 2-port valve at low vacuum, vacuum the NC port side.

How to order

USB2 - M6 - 1 - S 2 - DC24V

A Model No.

B Port size

C Orifice size

D Body/sealant

E Wetted metal material

(*2)

F Voltage

A Model No.

2-port valve

3-port valve

USB2

USB3

USG2

USG3

Code Description

B Port size

M6	M6	●	●	●(*1)	●
T6	Barbed fitting	●	●	●	●
4U	1/4-28UNF	●			

C Orifice size

1	Refer to text at right	ø1	ø1.6	ø1	ø1.6
2	Refer to text at right	ø1.5	ø2.3	ø1.5	

D Body/sealant

	Body	Seal				
G	PPS	NBR	●	●	●	●
S	PPS	FKM	●	●	●	●

E Wetted metal material

1	SUS405 or equiv.	●	●	●	●
2	SUS316 or equiv.	●	●	●	●

F Voltage

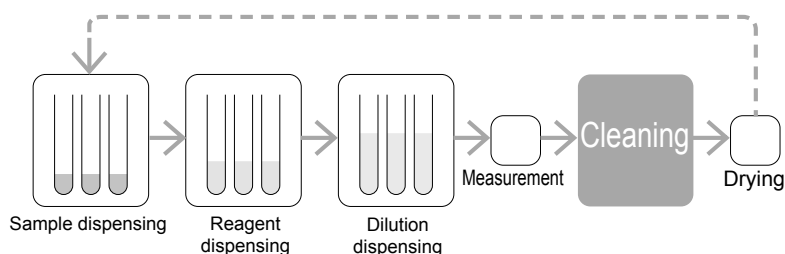
	12 VDC	●	●	●	●
	24 VDC	●	●	●	●

⚠ Precautions for model No. selection

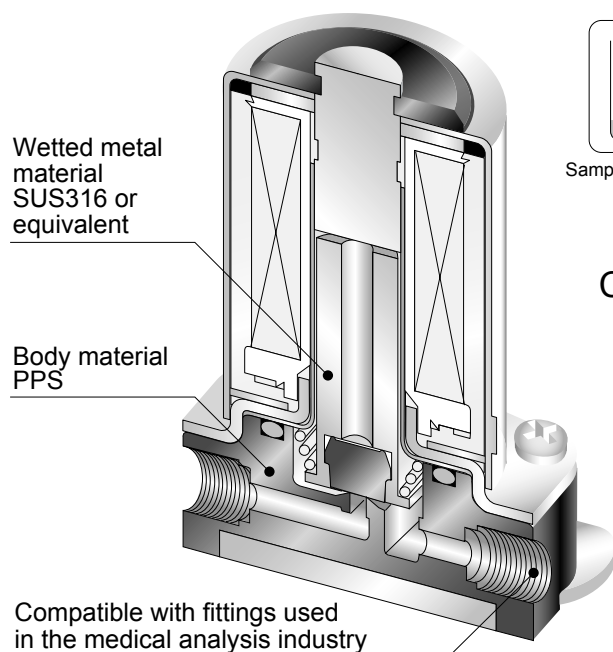
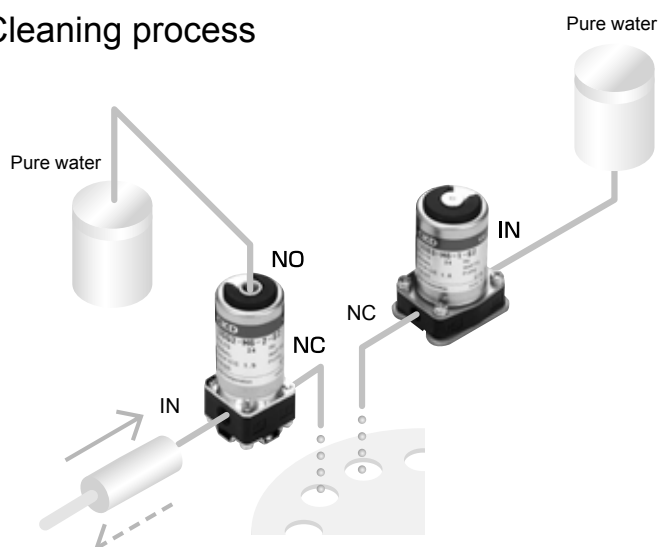
*1 : NO port of USG2 is M5.

*2 : For voltages other than 12 or 24 VDC, contact CKD.

Applications



Cleaning process



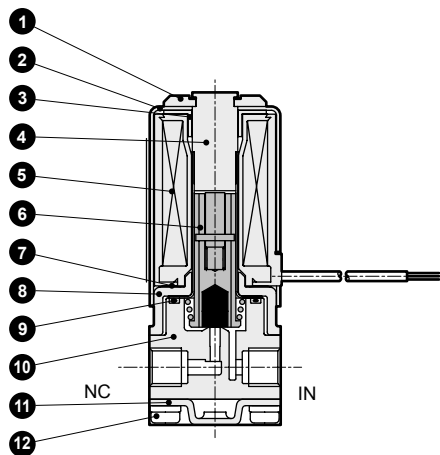
EXA
FWD
HNB/G
USB/G
FAB/G
FGB/G
FVB
FWB/G
FHB
FLB
AB
AG
AP/ AD
APK/ ADK
DryAir
EX- XPLNprf
XPLNprf
HVB/ HVL
S [◇] B/ NAB
LAD/ NAD
Water- Rela
NP/NAP/ NVP
SNP
CHB/G
MXB/G
Other valves
SWD/ MWD
DustColl
CVE/ CVSE
CCH/ CPE/D
LifeSci
Gas- Combus
Auto- Water
Outdoor
SpecFld
Custom
Ending

US^B_G2 (resin body) Series

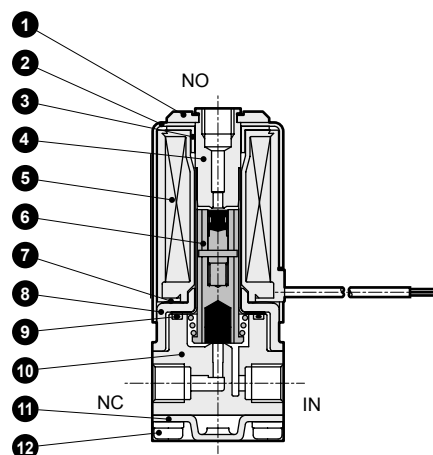
EXA
FWD
HNB/G
USB/G
FAB/G
FGB/G
FVB
FWB/G
FHB
FLB
AB
AG
AP/
AD
APK/
ADK
DryAir
EX-
XPLNprf
XPLNprf
HVB/
HVL
S[◇]B/
NAB
LAD/
NAD
Water-
Rela
NP/NAP/
NVP
SNP
CHB/G
MXB/G
Other
valves
SWD/
MWD
DustColl
CVE/
CVSE
CCH/
CPE/D
LifeSci
Gas-
Combust
Auto-
Water
Outdoor
SpecFld
Custom
Ending

Internal structure and parts list

● USB2



● USG2

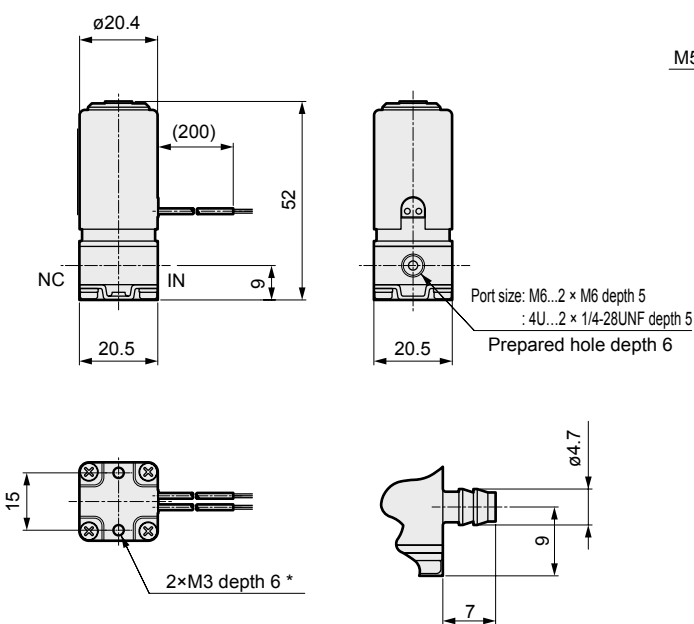


No.	Part name	Material	No.	Part name	Material
1	Clip	PBT	7	Wave washer	S65C
2	Bonnet	SPC	8	Core B	SPC
3	Sub core	SPC	9	O-ring	NBR(FKM)
4	Core assembly	SUS316 or equivalent (SUS405 or equivalent), SUS316L	10	Body	PPS
5	Coil assembly	-	11	Retainer plate	SPC
6	Plunger assembly	SUS316 or equivalent (SUS405 or equivalent), NBR (FKM)	12	Pan head machine screw	SWRM

Materials in () are selectable based on options.

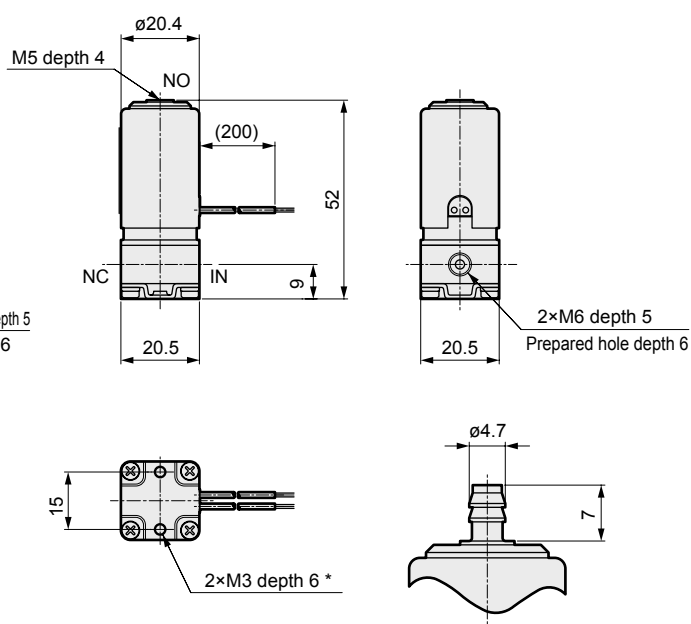
Dimensions

● USB2



[For option code "T6"]
Barbed fitting dimensions

● USG2

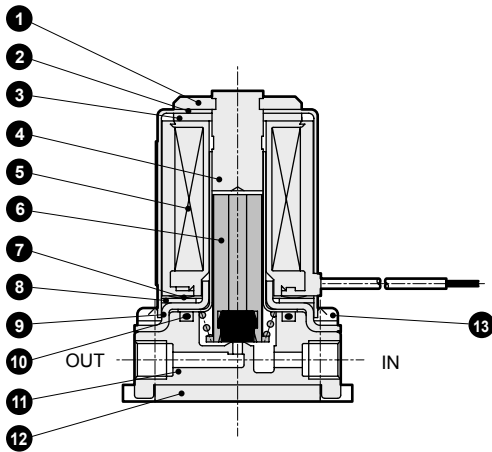


[For option code "T6"]
Barbed fitting dimensions of NO port
(IN, NC ports are the same as the 2-port valve)

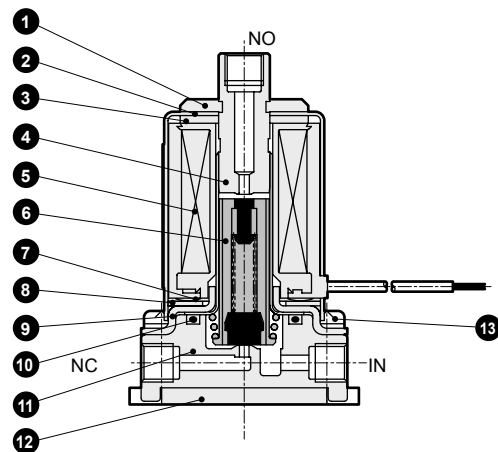
* Keep the product screw insertion depth to within 6 mm.

Internal structure and parts list

● USB3



● USG3

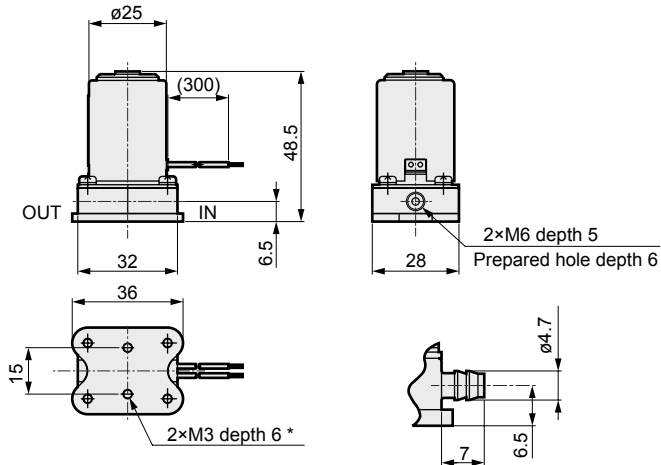


No.	Part name	Material	No.	Part name	Material
1	Clip	PBT	8	Sub core	SPC
2	Bonnet	SPC	9	Core B	SPC
3	Bonnet piece	SPC	10	O-ring	NBR(FKM)
4	Core assembly	SUS316 or equivalent (SUS405 or equivalent), SUS316	11	Body	PPS
5	Coil assembly	-	12	Retainer plate	SPC
6	Plunger assembly	SUS316 or equivalent (SUS405 or equivalent), NBR (FKM)	13	Pan head machine screw	SWRM
7	Wave washer	S65C			

Materials in () are selectable based on options.

Dimensions

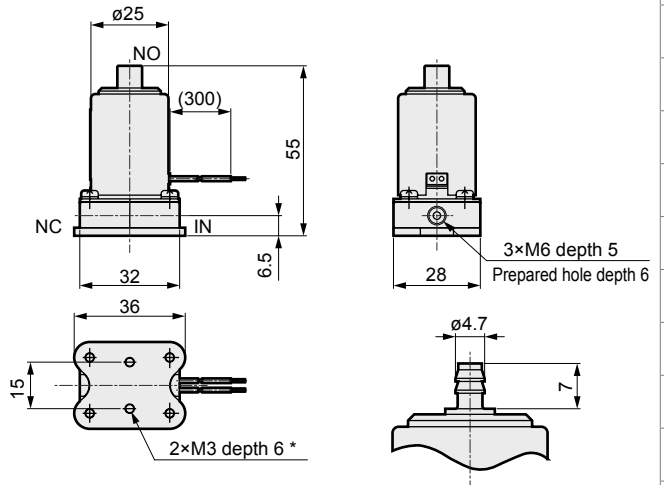
● USB3



[For option code "T6"]
Barbed fitting dimensions

* Keep the product screw insertion depth to within 6 mm.

● USG3



[For option code "T6"]
Barbed fitting dimensions of NO port
(COM, NC ports are the same as the 2-port valve)