

miT-UNiD®-cns

Certificate



CERTIFICATE OF REGISTRATION

ISO 9001:2008

THIS IS TO CERTIFY THAT THE QUALITY MANAGEMENT SYSTEM OF
PRO UNI-D CO., LTD.
R.O.C. 20020789
No. 7, RUEIYUAN ST.,
BADE CITY,
TAOYUAN COUNTY 33447,
TAIWAN R.O.C.

This has been assessed and registered as complying with the requirements of the International Standard shown above for the following Goods and Services. Further clarifications regarding the scope of this certificate and the applicability of ISO 9001:2008 requirements may be obtained by consulting the organization.

Design and Manufacture of Solenoid Valves 1/8" - 4" and Motor Valves 1/2" - 4".
Previously Certified by ISC for ISO 9001:2000 on 16/3ay/2001.

Ang Jida
Terry Wilde
Managing Director
ISC Pty Ltd, A.B.N. 31 343 846 994

Registration Number: QMC89860218
Registration Date: 20/04/2010
Expiry Date: 16/May/2013
Serial Number: #1053

ISC Pty Ltd, Unit 2/11 Chisholm Road, Castle Hill NSW 2154, Sydney, Australia.

ISO 9001

ITS Intertek Testing Services
ETL SEMKO

VERIFICATION

of conformity with European Directive(s)
No. CE-0201400

Type of equipment: Valve Actuators
Documentation holder: Uni-D Corporation
Manufacturers: No. 406, Shih Chung Street, Shilin Dist., Taipei, Taiwan R.O.C.
D-Hen Corporation
No. 36-A, Lane 305, San-Mia Road, Lu-Chan City Taipei Hsin, Taiwan R.O.C.
Type designation: UM-1, UM-2, UM-3
Technical data: 230Vac, 50/60Hz, Class, Type 1RJP 20

A sample of the equipment has been tested for CE-marking according to the EC Directive(s),
- the Low Voltage Directive, 73/23/EEC, 93/68/EEC
- the EMC Directive, 89/32/EEC

Standards used for showing compliance with the essential requirements of the directive:

Standard(s)	Test reports	Issued by	Date(s)
EN 60730-1:2000 and EN 60730-2:1995	ETS-62028	ITS-Taiwan	Apr. 12, 2002
EN 61000-3-2:1995+A1:1998+A2:1998	EME-62063	ITS-Taiwan	Mar. 19, 2002
EN 61000-3-3:1995	EME-62063	ITS-Taiwan	Mar. 19, 2002
EN 61326-1:1997+A1:1998	EME-62063	ITS-Taiwan	Mar. 19, 2002
EN 55011:1997+A1:1997+A2:1996	EME-62063	ITS-Taiwan	Mar. 19, 2002
EN 61000-6-2:1995	EME-62063	ITS-Taiwan	Mar. 19, 2002
EN 61000-6-3:1996+A1:1998	EME-62063	ITS-Taiwan	Mar. 19, 2002
EN 61000-4-4:1995	EME-62063	ITS-Taiwan	Mar. 19, 2002
EN 61000-4-5:1995	EME-62063	ITS-Taiwan	Mar. 19, 2002
EN 61000-4-6:1996	EME-62063	ITS-Taiwan	Mar. 19, 2002
EN 61000-4-8:1996	EME-62063	ITS-Taiwan	Mar. 19, 2002
EN 61000-6-1:1994	EME-62063	ITS-Taiwan	Mar. 19, 2002

The referred test reports(s) show that the product fulfills the requirements in the European Directive(s) for CE marking. On this basis, together with the manufacturer's own documentary production control, the manufacturer (or his European authorized representative) can in his EC Declaration of Conformity verify compliance with the European Directive(s).

Taipei
Apr. 12, 2002

CE

CSA INTERNATIONAL

Certificate of Compliance

Certificate: 1341900 Master Contract: 216806
Project: 1341900 Date Issued: November 21, 2002

Issued to: Uni-D Corporation
No. 406, Shih Chung St.,
Shih Lin Dist.,
Taipei, Taiwan

Issued by: Sebastian George, P. Eng.

CSA US

Authorized by: Fred Meyer
Director, Far East Operation

The products listed below are eligible to bear the CSA Mark shown, with adjacent indicator "C" and "US".

PRODUCTS
CLASS 3221 02 - VALVES - Actuators
CLASS 3221 02 - VALVES - Actuators - CERTIFIED TO U.S. STANDARDS

Motor control units for electrically operated valves, indoor, intermittent duty, one cycle in 3 minutes, Class A insulation, thermally protected, rated 120 V ac, 60 Hz.

Dist. A Model UM-1, rated 0.33 A, 81 W, 10 sec per cycle (open or close)
Dist. B Model UM-2, rated 0.55 A, 81 W, 10 sec per cycle (open or close)
Dist. C Model UM-3, rated 0.76 A, 79 W, 30 sec per cycle (open or close)
Dist. D Model UM-3-L, rated 0.76 A, 79 W, 30 sec per cycle (open or close)
Dist. E Model UM-4, rated 0.76 A, 79 W, 30 sec per cycle (open or close)
Dist. F Model UM-5, rated 1.20 A, 130 W, 30 sec per cycle (open or close)
Dist. G Model UM-6, rated 1.22 A, 119 W, 30 sec per cycle (open or close)

Note: Certified only as a component of other certified equipment where the suitability of the combination is to be determined.

APPLICABLE REQUIREMENTS
CSA C22.2 No. 138-1982 - Electrically Operated Valves
CSA C22.2 No. 100-95 - Motors and Generators
UL CN, Fifth Edition - Electrically Operated Valves
UL 1008, Fifth Edition - Electric Motors

The "C" and "US" indicator adjacent to the CSA Mark signifies that the product has been reviewed in the applicable UL60335 and CSA standards, but not in the U.S. and Canada. This indicates product eligible to bear the CSA, Intertek, IEC, UL, UL-Recognized Testing Laboratory, or a recognized standard in the U.S., International Safety and Health, International (IECE), or Intertek which have been inspected by a qualified technician.

http://www.intertek.com

CSA



UL 429 ISO 9001
Serial No : 216806

Products List

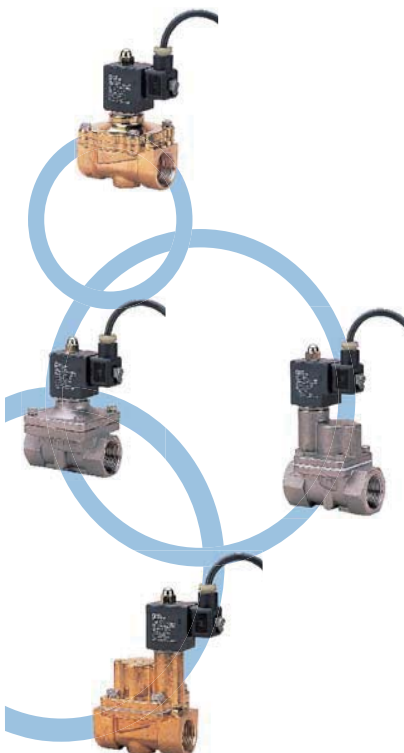
Model	Pipe Size	Material	Operating Pressure kgf / cm ²	Fluid Temp °C	Fluid						Page
					Steam	Water	Air	Oil	Gas	Vacuum	
UD-6~8	1/8" ~ 1/4"	Brass	0-7	-5°C ~ 80°C		● ● ●	● ● ●	● ●	● ●	● ●	5
UG-6~8											
UD-10	3/8"	Brass	0-10	-5°C ~ 80°C		● ● ●	● ● ●	● ●	● ●	● ●	5
UD-15	1/2"	Brass	0-5	-5°C ~ 80°C		● ● ●	● ● ●	● ●	● ●	● ●	5
SUS-6	1/8" ~ 1/4"	#316	0-7	-5°C ~ 185°C	● ● ●	● ● ●	● ● ●	● ●			6
SUS-8											
SUS-10	3/8"	#316	0-10	-5°C ~ 185°C	● ● ●	● ● ●	● ● ●	● ●			6
UPS	1/2" ~ 1"	Brass	0.5-10	-5°C ~ 185°C	● ● ●	● ● ●	● ● ●	● ●			9
SUS#316	1/2" ~ 2"	#316	0.5-10	-5°C ~ 185°C	● ● ●	● ● ●	● ● ●	● ●			10
US	1/2" ~ 2"	Bronze	0.5-15	-5°C ~ 185°C	● ● ●	● ● ●	● ● ●	● ●			11
USF (Conn.)	1/2" ~ 2"	Bronze	0.5-15	-5°C ~ 185°C	● ● ●	● ● ●	● ● ●	● ●			11
UW	3/8" ~ 1"	Brass	0-7(Air)	-5°C ~ 80°C		● ● ●	● ● ●	● ●			7
UW-1	1 1/4" ~ 2"	Brass	0-5(Liquid)								
UWF (Conn.)	3/8" ~ 2"	Brass	0-7(Air)	-5°C ~ 80°C		● ● ●	● ● ●	● ●			15
		Brass	0-5(Liquid)								
SUW	1/2" ~ 1"	#316	0-7(Air)	-5°C ~ 80°C		● ● ●	● ● ●	● ●			8
SUW-1	1 1/4" ~ 2"		0-5(Liquid)								
SUWF (Conn.)	1/2" ~ 2"	#316	0-7(Air)	-5°C ~ 80°C		● ● ●	● ● ●	● ●			15
			0-5(Liquid)								
UWF	1 1/4" ~ 4"	FC-20	0.2-8	-5°C ~ 80°C		● ● ●	● ● ●				16
USF	1 1/4" ~ 4"	FC-20	0.5-10	-5°C ~ 185°C	● ● ●	● ● ●	● ● ●	● ●			17
UG UV	3/8" ~ 2"	Brass	0-7	-5°C ~ 80°C		● ●	● ●		● ● ●	● ● ●	12
		Brass									
UAW	1/2" ~ 2"	Bronze	0.5-15	-5°C ~ 80°C		● ● ●	● ● ●				12
UA-8	1/4"	Brass	0-10	-5°C ~ 80°C		● ● ●	● ● ●			● ●	13
UA-10	3/8"										
UAO	1/4" ~ 1/2"	Brass	0.5-15	-5°C ~ 80°C		● ●	● ● ●	● ● ●			13
UD (NO)	1/8"~1/4"	Brass	0-7	-5°C ~ 80°C		● ● ●	● ● ●	● ●	● ●	● ●	5
	3/8"		0-10								
SUS (NO)	1/8"~1/4"	#316	0-7	-5°C ~ 80°C		● ● ●	● ● ●	● ●	● ●	● ●	6
	3/8"		0-10								
UW-NO	3/8" ~ 1"	Brass	0-7(Air)	-5°C ~ 80°C		● ● ●	● ● ●	● ●	● ●	● ●	7
UW-1NO	1 1/4" ~ 2"	Bronze	0-5(Liquid)								
SUSF (Conn.)	1/2" ~ 2"	#316	0.5-10	-5°C ~ 185°C	● ● ●	● ● ●	● ● ●	● ●			18

Products List

Model	Pipe Size	Material	Operating Pressure kgf / cm ²	Fluid Temp °C	Fluid						Page
					Steam	Water	Air	Oil	Gas	Vacuum	
SUW-NO	1/2" ~ 1"	#316	0-7(Air)	-5°C ~ 80°C		● ● ●	● ● ●	● ●	● ●	● ●	8
SUW-1NO	1 1/4" ~ 2"		0-5(Liquid)								
UDC	1/4" ~ 1/2"	PVC	0-1	-5°C ~ 80°C		● ● ●	● ● ●				14
UDC-TF	1/4" ~ 1/2"	PTFE (TEFLON)	0-1	-5°C ~ 80°C		● ● ●	● ● ●				14
	3/4" ~ 1"		0-0.5								
PKW (EXPLOSION PROOF)	1 1/4" ~ 2"	Brass	0.5-8	-5°C ~ 80°C		● ● ●	● ● ●	● ●			26
	3/8" ~ 1"	Brass	0-7(Air) 0-5(Liquid)			● ● ●	● ● ●	● ●	● ● ● ●	● ●	25
SKW (EXPLOSION PROOF)	1/2" ~ 1"	#316	0-7(Air) 0-5(Liquid)	-5°C ~ 80°C		● ● ●	● ● ●	● ●	● ● ● ●	● ●	25
PKS (EXPLOSION PROOF)	1/2" ~ 1"	Brass	0.5-10	-5°C ~ 130°C	● ● ●	● ● ●	● ● ●	● ●			24
SKS (EXPLOSION PROOF)	1/2" ~ 1"	#316	0.5-10	-5°C ~ 130°C	● ● ●	● ● ●	● ● ●	● ●			24
UPS (NO)	1/2" ~ 1"	Brass	0.5-10	-5°C ~ 130°C	● ● ●	● ● ●	● ● ●	● ●			9
SUS (NO)	1/2" ~ 1 1/2"	#316	0.5-10	-5°C ~ 130°C	● ● ●	● ● ●	● ● ●	● ●			10
	2"		0.5-8								
UWF (NO)	1 1/4" ~ 4"	FC-20	0.2-8	-5°C ~ 80°C		● ● ●	● ● ●				16
USF (NO)	1 1/4" ~ 4"	FC-20	0.5-8	-5°C ~ 130°C	● ● ●	● ● ●	● ● ●	● ●			17
UWF-1	1 1/4" ~ 4"	FC-20	0.2-8	-5°C ~ 80°C		● ● ●	● ● ●				19
UWF-1 (NO)	1 1/4" ~ 4"	FC-20	0.2-8	-5°C ~ 80°C		● ● ●	● ● ●				19
USF-1	1 1/4" ~ 4"	FC-20	0.5-10	-5°C ~ 185°C	● ● ●	● ● ●	● ● ●	● ●			20
USF-1 (NO)	1 1/4" ~ 4"	FC-20	0.5-8	-5°C ~ 130°C	● ● ●	● ● ●	● ● ●	● ●			20
SUWF	3"	#304	0.5-8	-5°C ~ 80°C		● ● ●	● ● ●				21
SUWF (NO)	3"	#304	0.5-8	-5°C ~ 80°C		● ● ●	● ● ●				21
SUSF	3"	#304	0.5-10	-5°C ~ 185°C	● ● ●	● ● ●	● ● ●	● ●			22
SUSF (NO)	3"	#304	0.5-8	-5°C ~ 130°C	● ● ●	● ● ●	● ● ●	● ●			22
USS	1/2"	Bronze	0-10	-5°C ~ 185°C	● ● ●	● ● ●	● ● ●	● ●			18



SOLENOID VALVE



**SOLENOID VALVE
Of Explosion Proof**

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SUW(-1) / SUW(-1)NO Series	8
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UA(3 way) / UAO Series	13
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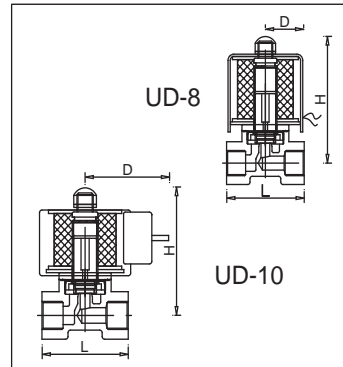
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UD-UD-NO Serier

UD Series

1. UD series is direct-acting, conductive, and normally closed
2. Valve body made of forged brass
3. Able to be operated directly without pressure
4. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
5. AC Voltage tolerance: ±10%; DC Voltage tolerance: ±1%
6. Screwed end: BSPT; Specific specification is acceptable to NPT, BSP and others
7. Custom-made AC/DC voltage is acceptable
8. Acceptable for specific fluid type when ordering (ex. Steam, gas, vacuum, diesel, gasoline)
9. Acceptable for operating temperature to customize Viton (130°C) and Silicone (130°C)
10. UD-6 ~ UD - 15 provide gas specification as well



Option coil:

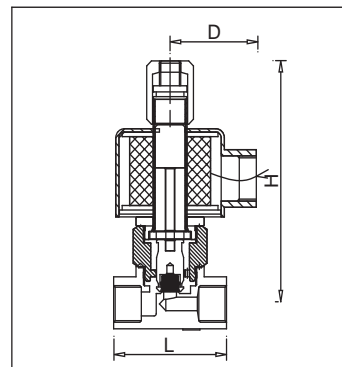


DIN	MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KG/CM ²				DIMENSION(mm)			WEIGHT (kg)
						WATER	AIR	STEAM	VACUUM	L	H	D	
	UD-6	1/8"	0.23	2.5 mm	-5C ~ 80C	0-7	0-7		0-10 ⁻³ Torr	41	66	21.5	0.32
	UD-8	1/4"	0.23	2.5 mm	-5C ~ 80C	0-7	0-7		0-10 ⁻³ Torr	41	66	21.5	0.31
	UD-8	1/4"	0.58	4 mm	-5C ~ 80C	0-3	0-3		0-10 ⁻³ Torr	41	66	21.5	0.31
	UD-8	1/4"	0.79	6 mm	-5C ~ 80C	0-1	0-1		0-10 ⁻³ Torr	41	66	21.5	0.31
	UD-8H	1/4"	0.18	1.2 mm	-5C ~ 130C	0-20	0-20		0-10 ⁻³ Torr	41	66	21.5	0.31
	US-8	1/4"	0.23	2.5 mm	-5C ~ 185C			0-7		41	66	21.5	0.32
●	UD-10	3/8"	0.58	4 mm	-5C ~ 80C	0-10	0-10		0-10 ⁻³ Torr	53	75	42	0.53
	UD-10	3/8"	0.79	8 mm	-5C ~ 80C	0-3	0-5		0-10 ⁻³ Torr	53	90	42	0.65
	UD-15	1/2"	0.58	8 mm	-5C ~ 80C	0-3	0-5		0-10 ⁻³ Torr	53	90	42	0.64
●	UD-10H	3/8"	0.45	2 mm	-5C ~ 130C	0-20	0-20		0-10 ⁻³ Torr	53	75	42	0.54
●	US-10	3/8"	0.58	4 mm	-5C ~ 185C			0-10		53	75	42	0.54

DATA SHEET	
PARTS	MATERIAL
Coil	Special copper wire(H)
Tube	Stainless steel
Core spring	Stainless steel
Core	Stainless steel
Plug	NBR.Viton.Silicone.PTFE
O ring	NBR.PTFE
Valve	Forged brass

UD-NO Series

1. UD-NO series is direct-acting, conductive, and normally open
2. Valve body made of forged brass
3. Able to be operated directly without pressure
4. Small size and easy assembly
5. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
6. AC Voltage tolerance: ±10%; DC Voltage tolerance: ±1%
7. Screwed end: BSPT; Specific specification is acceptable to NPT, BSP and others
8. Custom-made AC/DC voltage is acceptable
9. Acceptable for specific fluid type when ordering (ex. Steam, gas, vacuum, diesel, gasoline)
10. Acceptable for operating temperature to customize Viton (130°C) and Silicone (130°C)



DIN	MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KG/CM ²				DIMENSION(mm)			WEIGHT (kg)
						WATER	AIR	GAS	VACUUM	L	H	D	
	UD-6NO	1/8"	0.23	2.5 mm	-5C ~ 80C	0-7	0-7	0-7	0-10 ⁻³ Torr	41	90	21.5	0.44
	UD-8NO	1/4"	0.23	2.5 mm	-5C ~ 80C	0-7	0-7	0-7	0-10 ⁻³ Torr	41	90	21.5	0.43
	UD-8NO	1/4"	0.58	4 mm	-5C ~ 80C	0-3	0-3	0-3	0-10 ⁻³ Torr	41	90	21.5	0.43
	UD-8NO	1/4"	0.79	6 mm	-5C ~ 80C	0-1	0-1	0-1	0-10 ⁻³ Torr	41	90	21.5	0.43
	UD-8HNO	1/4"	0.18	1.2 mm	-5C ~ 130C	0-20	0-20	0-20	0-10 ⁻³ Torr	41	90	21.5	0.43
	UD-10NO	3/8"	0.58	4 mm	-5C ~ 80C	0-10	0-10	0-7	0-10 ⁻³ Torr	53	106	48	0.7

DATA SHEET	
PARTS	MATERIAL
Coil	Special copper wire(H)
Tube	Stainless steel
Core spring	Stainless steel
Core	Stainless steel
Plug	NBR.Viton.Silicone.PTFE
O ring	NBR.PTFE
Valve	Forged brass

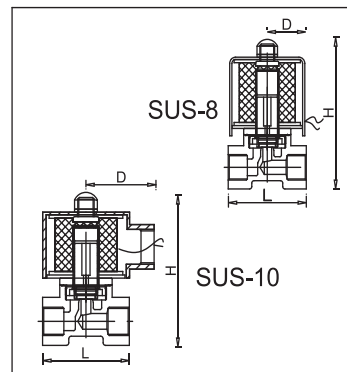
⚠ UD.UD-NO Not for fluid of :

1. Liquid status when heat, solid status when cool.
2. Viscosity over 50cst.
3. Corrosive fluid

SUS.SUS-NO Series

SUS Series

1. SUS series is direct-acting, conductive, and normally closed
2. Valve body made of S/S316
3. Able to be operated directly without pressure
4. Small size and easy assembly
5. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
6. AC Voltage tolerance: $\pm 10\%$; DC Voltage tolerance: $\pm 1\%$
7. Screwed end: BSPT; Specific specification is acceptable to NPT, BSP and others
8. Custom-made AC/DC voltage is acceptable
9. Acceptable for specific fluid type when ordering (ex. Steam, gas, vacuum, diesel, gasoline)
10. Acceptable for operating temperature to customize Viton (130°C) and Silicone (130°C)



Option coil:



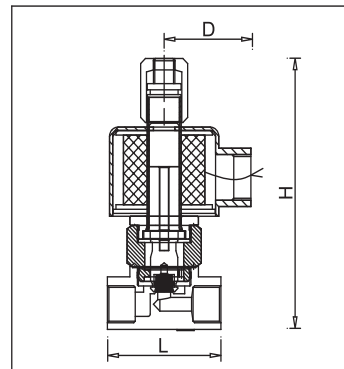
DIN	MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KGf/cm ²					DIMENSION(mm)			WEIGH (kg)
						WATER	AIR	STEAM	GAS	VACUUM	L	H	D	
	SUS-6#316	1/8"	0.23	2.5 mm	-5°C ~ 185°C	0-7	0-7	0-7			41	68	21.5	0.34
	SUS-8#316	1/4"	0.23	2.5 mm	-5°C ~ 185°C	0-7	0-7	0-7			41	68	21.5	0.33
●	SUS-10#316	3/8"	0.58	4 mm	-5°C ~ 185°C	0-10	0-10	0-10			53	82	48	0.54
	SUS-6#316	1/8"	0.23	2.5 mm	-5°C ~ 80°C	0-7	0-7		0-7	0-10 ⁻³	41	68	21.5	0.34
	SUS-8#316	1/4"	0.23	2.5 mm	-5°C ~ 80°C	0-7	0-7		0-7	0-10 ⁻³	41	68	21.5	0.33
●	SUS-10#316	3/8"	0.58	4 mm	-5°C ~ 80°C	0-10	0-10		0-10	0-10 ⁻³	53	82	48	0.54

DATA SHEET

PARTS	MATERIAL
Coil	Special copper wire(H)
Tube	Stainless steel
Core spring	Stainless steel
Core	Stainless steel
Plug	NBR.Viton.Silicone.PTFE
O ring	NBR.PTFE
Valve	S/S 316

SUS-NO Series

1. SUS-NO series is direct-acting, conductive, and normally open
2. Valve body made of S/S316
3. Able to be operated directly without pressure
4. Small size and easy assembly
5. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
6. AC Voltage tolerance: $\pm 10\%$; DC Voltage tolerance: $\pm 1\%$
7. Screwed end: BSPT; Specific specification is acceptable to NPT, BSP and others
8. Custom-made AC/DC voltage is acceptable
9. Acceptable for specific fluid type when ordering (ex. Steam, gas, vacuum, diesel, gasoline)
10. Acceptable for operating temperature to customize Viton (130°C) and Silicone (130°C)



DATA SHEET

PARTS	MATERIAL
Coil	Special copper wire(H)
Tube	Stainless steel
Core spring	Stainless steel
Core	Stainless steel
Plug	NBR.Viton.Silicone.PTFE
O ring	NBR.PTFE
Valve	S/S 316

DIN	MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KGf/cm ²				DIMENSION(mm)			WEIGH (kg)
						WATER	AIR	GAS	VACUUM	L	H	D	
	SUS-6-NO	1/8"	0.23	2.5 mm	-5°C ~ 80°C	0-7	0-7	0-7	0-10 ⁻³	41	92	21.5	0.44
	SUS-8-NO	1/4"	0.23	2.5 mm	-5°C ~ 80°C	0-7	0-7	0-7	0-10 ⁻³	41	92	21.5	0.43
	SUS-10-NO	3/8"	0.58	4 mm	-5°C ~ 80°C	0-10	0-10	0-10	0-10 ⁻³	53	110	48	0.7

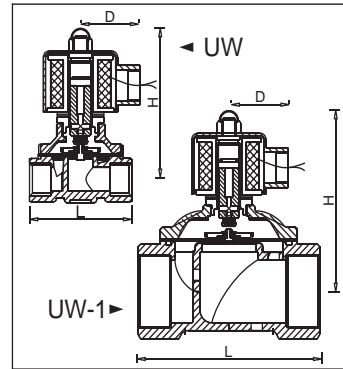
⚠ SUS-10.SUS-10-NO Not for fluid of :

1. Liquid status when heat, solid status when cool.
2. Viscosity over 50cst.
3. Corrosive fluid

UW(-1).UW(-1)NO Serier

UW/UW-1 Series

1. UW(-1) series is direct, multiplex, connected diaphragm, conductive, and normally closed
2. Valve body made of 3/8" ~1" brass or 1 1/4" ~ 2" brass
3. Able to be operated directly without pressure
4. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
5. AC Voltage tolerance: ±10%; DC Voltage tolerance: ±1%
6. Screwed end: BSPT; Specific specification is acceptable to NPT, BSP and others
7. Custom-made AC/DC voltage is acceptable
8. Acceptable for specific fluid type when ordering (ex. Steam, gas, vacuum, diesel, gasoline)
9. Acceptable for operating temperature to customize Viton (130°C) and Silicone (130°C)



Option coil:

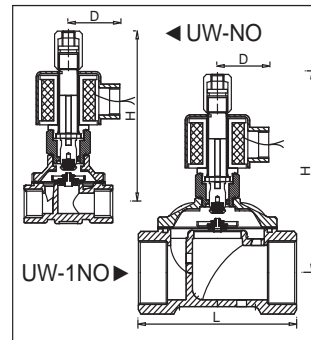


DIN	MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KGf/cm ²			DIMENSION(mm)			WEIGHT (kg)
						AIR	WATER	LIGHT OIL	L	H	D	
●	UW-10	3/8"	2.4	15 mm	-5C ~ 80C	0-7	0-5	0-5	70	100	42	1.01
●	UW-15	1/2"	4.5	15 mm	-5C ~ 80C	0-7	0-5	0-5	70	100	42	1
●	UW-20	3/4"	8.6	20 mm	-5C ~ 80C	0-7	0-5	0-5	73	102	42	1.14
●	UW-25	1"	12	25 mm	-5C ~ 80C	0-7	0-5	0-5	100	112	42	1.7
●	UW-35-1	1 1/4"	24	35 mm	-5C ~ 80C	0-7	0-5	0-5	125	113	42	2.32
●	UW-40-1	1 1/2"	28	40 mm	-5C ~ 80C	0-7	0-5	0-5	125	118	42	2.53
●	UW-50-1	2"	48	50 mm	-5C ~ 80C	0-7	0-5	0-5	167	125	42	4.32

DATA SHEET	
PARTS	MATERIAL
Coil	Special copper wire(H)
Tube	Stainless steel
Core	Stainless steel
Core spring	Stainless steel
Plug	NBR.Viton.Silicone
Diaphragm	NBR.Viton.Silicone
Valve	Brass

UW-NO/UW-1NO Series

1. UW(-1)NO series is direct, multiplex, connected diaphragm, conductive, and normally open
2. Valve body made of 3/8" ~1" brass or 1 1/4" ~ 2" brass
3. Able to be operated directly without pressure
4. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
5. AC Voltage tolerance: ±10%; DC Voltage tolerance: ±1%
6. Screwed end: BSPT; Specific specification is acceptable to NPT, BSP and others
7. Custom-made AC/DC voltage is acceptable
8. Acceptable for specific fluid type when ordering (ex. Steam, gas, vacuum, diesel, gasoline)
9. Acceptable for operating temperature to customize Viton (130°C) and Silicone (130°C)



Option coil:



DIN	MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KGf/cm ²				DIMENSION(mm)			WEIGHT (kg)
						WATER	AIR	GAS	VACUUM	L	H	D	
●	UW-10-NO	3/8"	4.5	15 mm	-5C ~ 80C	0-5	0-7	0-7	0-760 Torr	70	128	48	1
●	UW-15-NO	1/2"	4.5	15 mm	-5C ~ 80C	0-5	0-7	0-7	0-760 Torr	70	128	48	0.98
●	UW-20-NO	3/4"	8.6	20 mm	-5C ~ 80C	0-5	0-7	0-7	0-760 Torr	73	133	48	1.12
●	UW-25-NO	1"	12	25 mm	-5C ~ 80C	0-5	0-7	0-7	0-760 Torr	100	138	48	1.7
●	UW-35-1NO	1 1/4"	24	35 mm	-5C ~ 80C	0-5	0-7	0-7	0-760 Torr	125	138	48	2.5
●	UW-40-1NO	1 1/2"	28	40 mm	-5C ~ 80C	0-5	0-7	0-7	0-760 Torr	125	145	48	2.9
●	UW-50-1NO	2"	48	50 mm	-5C ~ 80C	0-5	0-7	0-7	0-760 Torr	167	156	48	4.5

DATA SHEET	
PARTS	MATERIAL
Coil	Special copper wire(H)
Tube	Stainless steel
Core	Stainless steel
Core spring	Stainless steel
Plug	NBR.Viton.Silicone
Diaphragm	NBR.Viton.Silicone
Valve	Brass

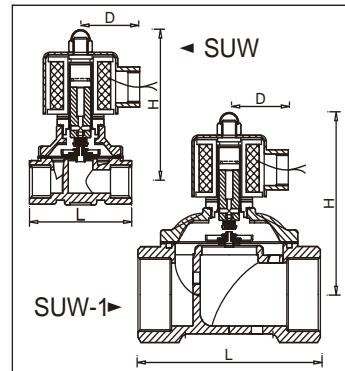
⚠ UW(-1).UW(-1)NO Not for fluid of :

- 1.Liquid status when heat,solid status when cool.
- 2.Viscosity over 20cst.
- 3.Corrosive fluid

SUW(-1).SUW(-1)-NO Series

SUW/SUW-1 Series

1. SUW(-1) series is direct, multiplex, connected diaphragm, conductive, and normally closed
2. Valve body made of investment casting S/S 316
3. Able to be operated directly without pressure
4. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
5. AC Voltage tolerance: $\pm 10\%$; DC Voltage tolerance: $\pm 1\%$
6. Screwed end: BSPT; Specific specification is acceptable to NPT, BSP and others
7. Custom-made AC/DC voltage is acceptable
8. Acceptable for specific fluid type when ordering (ex. Steam, gas, vacuum, diesel, gasoline)
9. Acceptable for operating temperature to customize Viton (130°C) and Silicone (130°C)



Option coil:

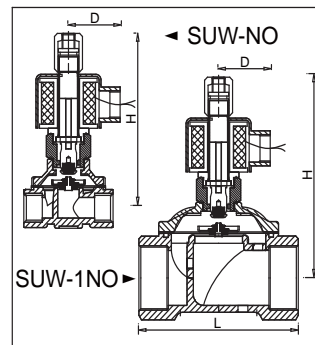


DIN	MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KG/CM ²				DIMENSION(mm)			WEIGHT (kg)
						WATER	AIR	LIGHT OIL	VACUUM	L	H	D	
●	SUW-15#316	1/2"	4.5	15 mm	-5C ~ 80C	0-5	0-7	0-5	0-760 Torr	70	100	42	1
●	SUW-20#316	3/4"	8.6	20 mm	-5C ~ 80C	0-5	0-7	0-5	0-760 Torr	76	100	42	1.1
●	SUW-25#316	1"	12	25 mm	-5C ~ 80C	0-5	0-7	0-5	0-760 Torr	100	110	42	1.65
●	SUW-35-1	1 1/4"	24	35 mm	-5C ~ 80C	0-5	0-7	0-5	0-760 Torr	123	112	42	2.33
●	SUW-40-1	1 1/2"	28	40 mm	-5C ~ 80C	0-5	0-7	0-5	0-760 Torr	123	112	42	2.54
●	SUW-50-1	2"	48	50 mm	-5C ~ 80C	0-5	0-7	0-5	0-760 Torr	167	125	42	4.59

DATA SHEET	
PARTS	MATERIAL
Coil	Special copper wire(H)
Tube	Stainless steel
Core	Stainless steel
Core spring	Stainless steel
Plug	NBR.Viton.Silicone
Diaphragm	NBR.Viton.Silicone
Valve	S/S 316

SUW-NO/SUW-1NO Series

1. SUW(-1)NO series is direct, multiplex, connected diaphragm, conductive, and normally open
2. Valve body made of investment casting S/S 316
3. Able to be operated directly without pressure
4. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
5. AC Voltage tolerance: $\pm 10\%$; DC Voltage tolerance: $\pm 1\%$
6. Screwed end: BSPT; Specific specification is acceptable to NPT, BSP and others
7. Custom-made AC/DC voltage is acceptable
8. Acceptable for specific fluid type when ordering (ex. Steam, gas, vacuum, diesel, gasoline)
9. Acceptable for operating temperature to customize Viton (130°C) and Silicone (130°C)



Option coil:



DIN	MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KG/CM ²				DIMENSION(mm)			WEIGHT (kg)
						WATER	AIR	GAS	VACUUM	L	H	D	
●	SUW-15-NO	1/2"	4.5	15 mm	-5C ~ 80C	0-5	0-7	0-7	0-760 Torr	70	126	48	1
●	SUW-20-NO	3/4"	8.6	20 mm	-5C ~ 80C	0-5	0-7	0-7	0-760 Torr	76	132	48	1.1
●	SUW-25-NO	1"	12	25 mm	-5C ~ 80C	0-5	0-7	0-7	0-760 Torr	100	139	48	1.65
●	SUW-35-1NO	1 1/4"	24	35 mm	-5C ~ 80C	0-5	0-7	0-7	0-760 Torr	123	140	48	2.5
●	SUW-40-1NO	1 1/2"	28	40 mm	-5C ~ 80C	0-5	0-7	0-7	0-760 Torr	123	140	48	2.7
●	SUW-50-1NO	2"	48	50 mm	-5C ~ 80C	0-5	0-7	0-7	0-760 Torr	167	150	48	4.73

DATA SHEET	
PARTS	MATERIAL
Coil	Special copper wire(H)
Tube	Stainless steel
Core	Stainless steel
Core spring	Stainless steel
Plug	NBR.Viton.Silicone
Diaphragm	NBR.Viton.Silicone
Valve	S/S 316

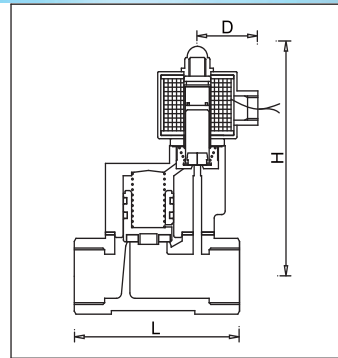
⚠ SUW(-1).SUW(-1)NO Not for fluid of :

1. Liquid status when heat, solid status when cool.
2. Viscosity over 20cst.
3. Corrosive fluid

UPS.UPS-NO Serier

UPS Series

1. UPS series is multiplex, pilot operated piston, conductive, and normally closed
2. Valve body made of forged brass
3. Minimum pressure of 0.5 kgf/cm² is required
4. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
5. AC Voltage tolerance: ±10%; DC Voltage tolerance: ±1%
6. Screwed end: BSPT; Specific specification is acceptable to NPT, BSP and others
7. Custom-made AC/DC voltage is acceptable
8. Specially suitable for activities frequently operated
9. Suitable and applicable for horizontal installation, excluding for vertical installation



Option coil:

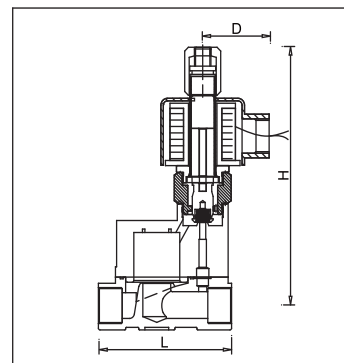


DIN	MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KGf/CM ²				DIMENSION(mm)			WEIGHT (kg)
						WATER	AIR	STEAM	LIGHT OIL	L	H	D	
●	UPS-15	1/2"	4.0	17 mm	-5°C ~ 185°C	0.5-10	0.5-10	0.5-10	0.5-10	82	118	48	1.32
●	UPS-20	3/4"	6.0	17 mm	-5°C ~ 185°C	0.5-10	0.5-10	0.5-10	0.5-10	82	120	48	1.44
●	UPS-25	1"	12	22 mm	-5°C ~ 185°C	0.5-10	0.5-10	0.5-10	0.5-10	100	134	48	2.13

DATA SHEET	
PARTS	MATERIAL
Coil	Special copper wire(H)
Tube	Stainless steel
Core spring	Stainless steel
Core	Stainless steel
Plug	PTFE
Piston spring	Stainless steel
Piston	Brass
Piston plug	PTFE
Valve	Forged brass

UPS-NO Series

1. UPS-NO series is multiplex, pilot operated piston, conductive, and normally open
2. Valve body made of forged brass
3. Minimum pressure of 0.5 kgf/cm² is required
4. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
5. AC Voltage tolerance: ±10%; DC Voltage tolerance: ±1%
6. Screwed end: BSPT; Specific specification is acceptable to NPT, BSP and others
7. Custom-made AC/DC voltage is acceptable
8. Specially suitable for activities frequently operated
9. Suitable and applicable for horizontal installation, excluding for vertical installation



DIN	MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KGf/CM ²				DIMENSION(mm)			WEIGHT (kg)
						WATER	AIR	STEAM	LIGHT OIL	L	H	D	
	UPS-15-NO	1/2"	4.0	17 mm	-5°C ~ 130°C	0.5-10	0.5-10	0.5-10	0.5-8	82	150	48	1.46
	UPS-20-NO	3/4"	6.0	17 mm	-5°C ~ 130°C	0.5-10	0.5-10	0.5-10	0.5-8	82	152	48	1.58
	UPS-25-NO	1"	12	22 mm	-5°C ~ 130°C	0.5-10	0.5-10	0.5-10	0.5-8	100	165	48	2.3

DATA SHEET	
PARTS	MATERIAL
Coil	Special copper wire(H)
Tube	Stainless steel
Core spring	Stainless steel
Core	Stainless steel
Plug	PTFE
Piston spring	Stainless steel
Piston	Brass
Piston plug	PTFE
Valve	Forged brass

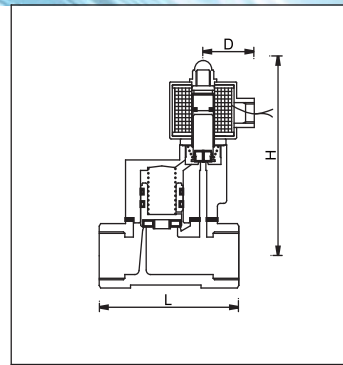
⚠ **UPS.UPS-NO** Not for fluid of :

1. Liquid status when heat, solid status when cool.
2. Viscosity over 20cst.
3. Corrosive fluid

SUS.SUS-NO Serier

SUS Series

1. SUS#316 series is multiplex, pilot operated piston, conductive, and normally closed
2. Valve body made of investment casting S/S316
3. Minimum pressure of 0.5 kgf/cm² is required
4. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
5. AC Voltage tolerance: ±10%; DC Voltage tolerance: ±1%
6. Screwed end: BSPT; Specific specification is acceptable to NPT, BSP and others
7. Custom-made AC/DC voltage is acceptable
8. Specially suitable for activities frequently operated
9. Suitable and applicable for horizontal installation, excluding for vertical installation



Option coil:

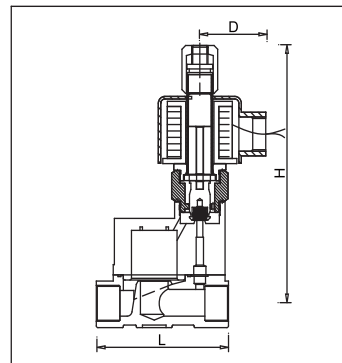


DIN	MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KGf/CM ²				DIMENSION(mm)			WEIGHT (kg)
						WATER	AIR	STEAM	LIGHT OIL	L	H	D	
●	SUS-15#316	1/2"	4.0	17 mm	-5°C ~ 185°C	0.5-10	0.5-10	0.5-10	0.5-10	84	115	48	1.38
●	SUS-20#316	3/4"	6.0	17 mm	-5°C ~ 185°C	0.5-10	0.5-10	0.5-10	0.5-10	84	120	48	1.43
●	SUS-25#316	1"	12	22 mm	-5°C ~ 185°C	0.5-10	0.5-10	0.5-10	0.5-10	98	132	48	1.88
●	SUS-35#316	1 1/4"	18	30 mm	-5°C ~ 185°C	0.5-10	0.5-10	0.5-10	0.5-10	123	142	48	2.62
●	SUS-40#316	1 1/2"	22	30 mm	-5°C ~ 185°C	0.5-10	0.5-10	0.5-10	0.5-10	123	146	48	2.72
●	SUS-50#316	2"	48	50 mm	-5°C ~ 185°C	0.5-10	0.5-10	0.5-10	0.5-10	167	173	48	5.45

DATA SHEET	
PARTS	MATERIAL
Coil	Special copper wire(H)
Tube	Stainless steel
Core spring	Stainless steel
Core	Stainless steel
Plug	PTFE
Piston spring	Stainless steel
Piston	Stainless steel
Piston plug	PTFE
Valve	S/S 316

SUS-NO Series

1. SUS-NO#316 series is multiplex, pilot operated piston, conductive, and normally open
2. Valve body made of investment casting S/S316
3. Minimum pressure of 0.5 kgf/cm² is required
4. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
5. AC Voltage tolerance: ±10%; DC Voltage tolerance: ±1%
6. Screwed end: BSPT; Specific specification is acceptable to NPT, BSP and others
7. Custom-made AC/DC voltage is acceptable
8. Specially suitable for activities frequently operated
9. Suitable and applicable for horizontal installation, excluding for vertical installation



DIN	MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KGf/CM ²				DIMENSION(mm)			WEIGHT (kg)
						WATER	AIR	STEAM	LIGHT OIL	L	H	D	
	SUS-15-NO	1/2"	4.0	17 mm	-5°C~130°C	0.5-10	0.5-10	0.5-10	0.5-8	84	147	48	1.52
	SUS-20-NO	3/4"	6.0	17 mm	-5°C~130°C	0.5-10	0.5-10	0.5-10	0.5-8	84	151	48	1.58
	SUS-25-NO	1"	12	22 mm	-5°C~130°C	0.5-10	0.5-10	0.5-10	0.5-8	98	162	48	2
	SUS-35-NO	1 1/4"	18	30 mm	-5°C~130°C	0.5-10	0.5-10	0.5-10	0.5-8	123	173	48	2.8
	SUS-40-NO	1 1/2"	22	30 mm	-5°C~130°C	0.5-10	0.5-10	0.5-10	0.5-8	123	175	48	2.9
	SUS-50-NO	2"	48	50 mm	-5°C~130°C	0.5-8	0.5-8	0.5-8	0.5-8	167	203	48	5.7

DATA SHEET	
PARTS	MATERIAL
Coil	Special copper wire(H)
Tube	Stainless steel
Core spring	Stainless steel
Core	Stainless steel
Plug	Viton
Piston spring	Stainless steel
Piston	Stainless steel
Piston plug	PTFE
Valve	S/S 316

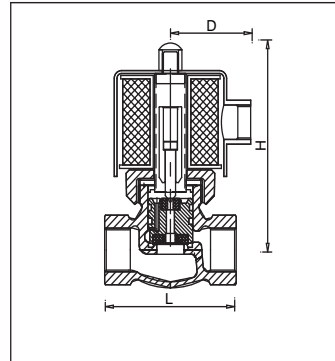
⚠ SUS.SUS-NO Not for fluid of :

1. Liquid status when heat, solid status when cool.
2. Viscosity over 20cst.
3. Corrosive fluid

US.US-F Serier

US Series

1. US series is multiplex, pilot operated piston, conductive, and normally closed
2. Valve body made of cast bronze
3. Minimum pressure of 0.5 kgf/cm² is required
4. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
5. AC Voltage tolerance: ±10%; DC Voltage tolerance: ±1%
6. Screwed end: BSPT; Specific specification is acceptable to NPT, BSP and others
7. Custom-made AC/DC voltage is acceptable
8. Acceptable for heavy oil fluid to customize
9. In case of pressure over 15 kgf/cm², customization for higher pressure is required for definite fluid type and practically working pressure
10. Suitable and applicable for horizontal installation, excluding for vertical installation

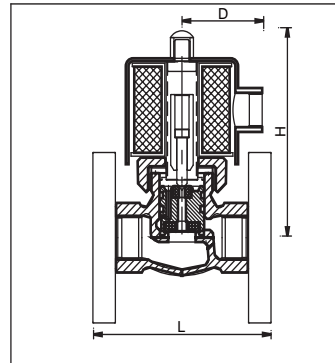


DIN	MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KGf/CM ²				DIMENSION(mm)			WEIGHT (kg)
						WATER	AIR	STEAM	HEAVY OIL	L	H	D	
	US-15	1/2"	4.0	17 mm	-5°C ~ 185°C	0.5-10	0.5-15	0.5-10	0.5-10	82	125	58	1.6
	US-20	3/4"	6.0	17 mm	-5°C ~ 185°C	0.5-10	0.5-15	0.5-10	0.5-10	82	125	58	1.67
	US-25	1"	12	22 mm	-5°C ~ 185°C	0.5-10	0.5-15	0.5-10	0.5-10	91	133	58	2.02
	US-35	1 1/4"	18	30 mm	-5°C ~ 185°C	1-10	1-15	1-10	1-10	111	141	58	3.08
	US-40	1 1/2"	22	30 mm	-5°C ~ 185°C	1-10	1-15	1-10	1-10	111	144	58	3.1
	US-50	2"	48	50 mm	-5°C ~ 185°C	1-10	1-15	1-10	1-10	163	175	58	6.82

DATA SHEET	
PARTS	MATERIAL
Coil	Special copper wire(H)
Tube	Stainless steel
Core needle	Stainless steel
Core spring	Stainless steel
Plug	PTFE+15%GF
Piston	Brass
Piston plug	PTFE
Valve	Cast bronze

US-F Series

1. US-F series is multiplex, pilot operated piston, conductive, and normally closed
2. Valve body made of cast bronze
3. Minimum pressure of 0.5 kgf/cm² is required
4. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
5. AC Voltage tolerance: ±10%; DC Voltage tolerance: ±1%
6. Custom-made AC/DC voltage is acceptable
7. Acceptable for heavy oil fluid to customize
8. In case of pressure over 15 kgf/cm², customization for higher pressure is required for definite fluid type and practically working pressure
9. Suitable and applicable for horizontal installation, excluding for vertical installation
10. Flanged end: JIS 10K; Specific specification (ANSI 150LB, PN16 etc) is acceptable to customize



DIN	MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KGf/CM ²				DIMENSION(mm)			WEIGHT (kg)
						WATER	AIR	STEAM	HEAVY OIL	L	H	D	
	US-15F	1/2"	4.0	17 mm	-5°C ~ 185°C	0.5-10	0.5-15	0.5-10	0.5-10	110	125	58	2.8
	US-20F	3/4"	6.0	17 mm	-5°C ~ 185°C	0.5-10	0.5-15	0.5-10	0.5-10	110	125	58	3.2
	US-25F	1"	12	22 mm	-5°C ~ 185°C	0.5-10	0.5-15	0.5-10	0.5-10	120	133	58	4.4
	US-35F	1 1/4"	18	30 mm	-5°C ~ 185°C	1-10	1-15	1-10	1-10	140	141	58	6.3
	US-40F	1 1/2"	22	30 mm	-5°C ~ 185°C	1-10	1-15	1-10	1-10	140	144	58	6.5
	US-50F	2"	48	50 mm	-5°C ~ 185°C	1-10	1-15	1-10	1-10	195	175	58	10.9

DATA SHEET	
PARTS	MATERIAL
Coil	Special copper wire(H)
Tube	Stainless steel
Core needle	Stainless steel
Core spring	Stainless steel
Plug	PTFE+15%GF
Piston	Brass
Piston plug	PTFE
Valve	Cast bronze

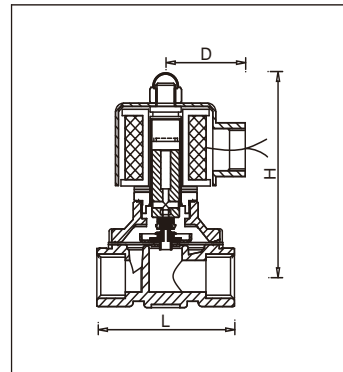
⚠ US.US-F Not for fluid of :

1. Liquid status when heat, solid status when cool.
2. Viscosity over 20cst.
3. Corrosive fluid

UG (For gas) / UV (For vacuum).UAM Series

UG (For gas) / UV (For vacuum)Series

1. UG/UV series is direct, multiplex, connected diaphragm, conductive, and normally closed
2. Valve body made of 3/8" ~1" forged brass or 1 1/4" ~ 2" cast brass
3. Able to be operated directly without pressure
4. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
5. AC Voltage tolerance: $\pm 10\%$; DC Voltage tolerance: $\pm 1\%$
6. Screwed end: BSPT; Specific specification is acceptable to NPT, BSP and others
7. Custom-made AC/DC voltage is acceptable
8. Note: Fluid type is required when ordering (ex. Gas, vacuum)



Option coil:



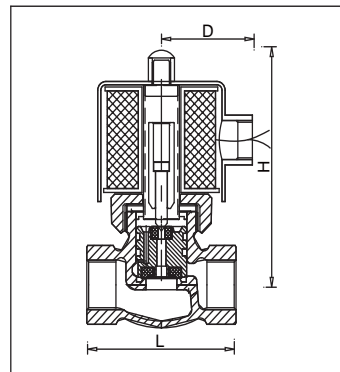
DIN	MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KGf/cm ²		DIMENSION(mm)			WEIGHT (kg)
						GAS	VACUUM	L	H	D	
●	U(G/V)-10	3/8"	4.5	15 mm	-5C ~ 80C	0-7	0-760 Torr	70	100	42	1.01
●	U(G/V)-15	1/2"	4.5	15 mm	-5C ~ 80C	0-7	0-760 Torr	70	100	42	1
●	U(G/V)-20	3/4"	8.6	20 mm	-5C ~ 80C	0-7	0-760 Torr	73	102	42	1.13
●	U(G/V)-25	1"	12	25 mm	-5C ~ 80C	0-7	0-760 Torr	100	112	42	1.7
	U(G/V)-35	1 1/4"	24	35 mm	-5C ~ 80C	0-7	0-760 Torr	125	140	58	3.0
	U(G/V)-40	1 1/2"	28	40 mm	-5C ~ 80C	0-7	0-760 Torr	125	142	58	3.2
	U(G/V)-50	2"	48	50 mm	-5C ~ 80C	0-7	0-760 Torr	167	158	58	5.2

DATA SHEET

PARTS	MATERIAL
Coil	Special copper wire(H)
Tube	Stainless steel
Core	Stainless steel
Core spring	Stainless steel
Plug	NBR
Diaphragm	NBR(for Gas)
Valve	Forged brass.Cast brass

UAW Series

1. UAW series is multiplex, pilot operated piston, conductive, and normally closed
2. Valve body made of cast bronze
3. Minimum pressure of 0.5 kgf/cm² is required
4. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
5. AC Voltage tolerance: $\pm 10\%$; DC Voltage tolerance: $\pm 1\%$
6. Screwed end: BSPT; Specific specification is acceptable to NPT, BSP and others
7. Custom-made AC/DC voltage is acceptable
8. In case of pressure over 15 kgf/cm², customization for higher pressure (between 15 and 20 kgf/cm²) is required for definite fluid type and practically working pressure
9. Suitable and applicable for horizontal installation, excluding for vertical installation



DIN	MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KGf/cm ²		DIMENSION(mm)			WEIGHT (kg)
						WATER	AIR	L	H	D	
	UAW-15	1/2"	4.0	17 mm	-5C ~ 80C	0.5-10	0.5-15	82	125	58	1.6
	UAW-20	3/4"	6.0	17 mm	-5C ~ 80C	0.5-10	0.5-15	82	125	58	1.67
	UAW-25	1"	12	22 mm	-5C ~ 80C	0.5-10	0.5-15	91	133	58	2.02
	UAW-35	1 1/4"	18	30 mm	-5C ~ 80C	1-10	1-15	111	141	58	3.08
	UAW-40	1 1/2"	22	30 mm	-5C ~ 80C	1-10	1-15	111	144	58	3.1
	UAW-50	2"	48	50 mm	-5C ~ 80C	1-10	1-15	163	175	58	6.82

DATA SHEET

PARTS	MATERIAL
Coil	Special copper wire(H)
Tube	Stainless steel
Core needle	Stainless steel
Core spring	Stainless steel
Plug	PTFE+15%GF
Piston	Brass
Piston plug	NBR
Valve	Cast bronze

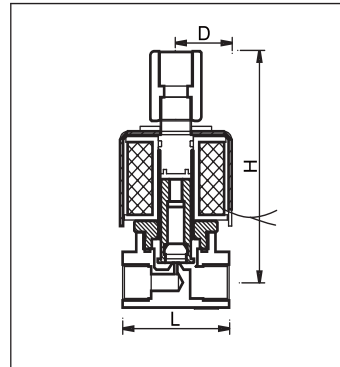
⚠ UG/UV.UAW Not for fluid of :

- 1.Liquid status when heat,solid status when cool.
- 2.Viscosity over 20cst.
- 3.Corrosive fluid

UA(3 way). UAO Series

UA (3 way) Series

1. UA series is direct-acting, conductive, and normally closed
2. Valve body made of forged brass
3. Able to be operated directly without pressure
4. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
5. AC Voltage tolerance: $\pm 10\%$; DC Voltage tolerance: $\pm 1\%$
6. Screwed end: BSPT; Specific specification is acceptable to NPT, BSP and others
7. Custom-made AC/DC voltage is acceptable
8. Applicable for exhausting facility, ex. Air cylinder after power-off



Option coil:

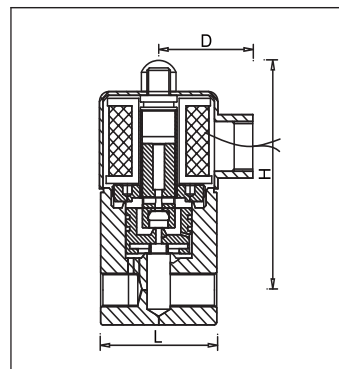


DIN	MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KGf/cm ²			DIMENSION(mm)			WEIGHT (kg)
						WATER	AIR	VACUUM	L	H	D	
	UA-8	1/4"	0.1	1.2 mm	-5C ~ 80C	0-10	0-10	0-10 ⁻³ Torr	41	88	21.5	0.38
●	UA-10	3/8"	0.12	1.5 mm	-5C ~ 80C	0-10	0-10	0-10 ⁻³ Torr	53	100	48	0.57

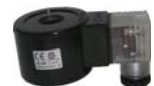
DATA SHEET	
PARTS	MATERIAL
Coil	Special copper wire(H)
Tube	Stainless steel
Core	Stainless steel
Core spring	Stainless steel
Plug	NBR
O ring	NBR
Valve	Forged brass

UAO Series

1. UAO series is multiplex, pilot operated piston, conductive, and normally closed
2. Valve body made of brass
3. Minimum pressure of 0.5 kgf/cm² is required
4. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
5. AC Voltage tolerance: $\pm 10\%$; DC Voltage tolerance: $\pm 1\%$
6. Screwed end: BSPT; Specific specification is acceptable to NPT, BSP and others
7. Custom-made AC/DC voltage is acceptable
8. Specially suitable for activities frequently operated
9. Applicable for sandblasting equipment and high-pressure oil system and high-pressure air system



Option coil:



DIN	MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KGf/cm ²			DIMENSION(mm)			WEIGHT (kg)
						AIR	WATER	OIL	L	H	D	
●	UAO-8	1/4"	2.5	10 mm	-5C ~ 80C	0.5-15	0.5-15	0.5-15	50.8	100	48	1.13
●	UAO-10	3/8"	2.5	10 mm	-5C ~ 80C	0.5-15	0.5-15	0.5-15	50.8	100	48	1.1
●	UAO-15	1/2"	2.5	10 mm	-5C ~ 80C	0.5-15	0.5-15	0.5-15	54	105	48	1.23

DATA SHEET	
PARTS	MATERIAL
Coil	Special copper wire(H)
Tube	Stainless steel
Core	Stainless steel
Core spring	Stainless steel
Plug	NBR
Piston	Brass
Valve	Brass

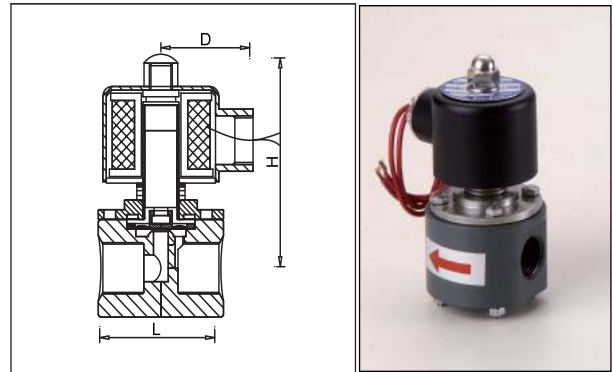
⚠ UA.UAO Not for fluid of :

1. Liquid status when heat, solid status when cool.
2. Viscosity over 50cst.
3. Corrosive fluid

UDC.UDC-TF Series(Corrosion Resistance)

UDC Corrosion Resistance Series(PVC Body)

1. UDC series is direct-acting, conductive, and normally closed
2. Valve body made of PVC
3. Able to be operated directly without pressure
4. Small size and easy assembly
5. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
6. AC Voltage tolerance: $\pm 10\%$; DC Voltage tolerance: $\pm 1\%$
7. Screwed end: BSPT; Specific specification is acceptable to NPT, BSP and others
8. Custom-made AC/DC voltage is acceptable
9. Diaphragm is a manufacture consisting of Teflon ,film and synthetic compound to be a whole



Option coil:

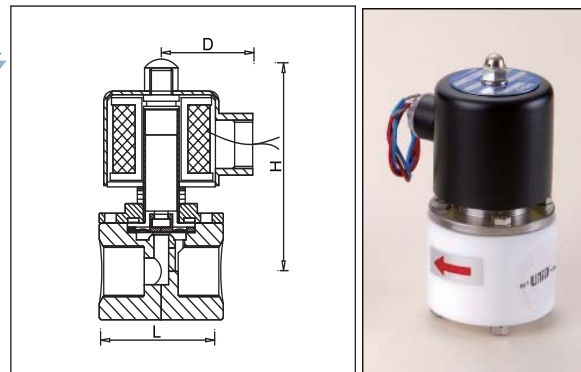


DIN	MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KGf/cm ²		DIMENSION(mm)			WEIGHT (kg)
						WATER	AIR	L	H	D	
●	UDC-8	1/4"	0.28	6.5 mm	-5C ~ 80C	0-1	0-1	50	90	48	0.53
●	UDC-10	3/8"	0.28	6.5 mm		0-1	0-1	50	90	48	0.52
●	UDC-15	1/2"	0.28	6.5 mm	-5C ~ 80C	0-1	0-1	55	93	48	0.58

DATA SHEET	
PARTS	MATERIAL
Coil	Special copper wire(H)
Tube	Stainless steel
Core	Stainless steel
Core spring	Stainless steel
O ring	Synthetic rubber
Diaphragm	PTFE
Valve	PVC

UDC-TF Corrosion Resistance Series(PVC Body)

1. UDC-TF series is direct-acting, conductive, and normally closed
2. Valve body made of PTFE
3. Able to be operated directly without pressure
4. Small size and easy assembly
5. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
6. AC Voltage tolerance: $\pm 10\%$; DC Voltage tolerance: $\pm 1\%$
7. Screwed end: BSPT; Specific specification is acceptable to NPT, BSP and others
8. Custom-made AC/DC voltage is acceptable
9. Diaphragm is a manufacture consisting of Teflon ,film and synthetic compound to be a whole



Option coil:



DIN	MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KGf/cm ²		DIMENSION(mm)			WEIGHT (kg)
						WATER	AIR	L	H	D	
●	UDC-8-TF	1/4"	0.28	6.5 mm	-5C ~ 80C	0-1	0-1	50	90	48	0.57
●	UDC-10-TF	3/8"	0.28	6.5 mm	-5C ~ 80C	0-1	0-1	50	90	48	0.56
●	UDC-15-TF	1/2"	0.28	6.5 mm	-5C ~ 80C	0-1	0-1	55	93	48	0.63
	UDC-20-TF	3/4"	4	13 mm	-5C ~ 80C	0-0.5	0-0.5	76	120	58	1.76
	UDC-25-TF	1"	4	13 mm	-5C ~ 80C	0-0.5	0-0.5	76	120	58	1.73

DATA SHEET	
PARTS	MATERIAL
Coil	Special copper wire(H)
Tube	Stainless steel
Core	Stainless steel
Core spring	Stainless steel
O ring	Synthetic rubber
Diaphragm	PTFE
Valve	PTFE

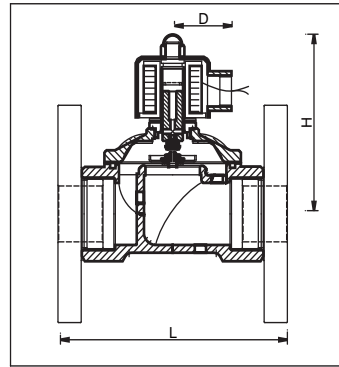
⚠ UDC.UDC-TF Not for fluid of :

- 1.Liquid status when heat,solid status when cool.
- 2.Prohibition applicable for high frequency movement
- 3.Corrosive fluid

UW-F.SUW-F Series

UW-F Series

1. UW-F series is direct, multiplex, connected diaphragm, conductive, and normally closed
2. Valve body made of 3/8' ~ 1" forged brass or 1 1/4" ~ 2" cast bronze
3. Able to be operated directly without pressure
4. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
5. AC Voltage tolerance: ±10%; DC Voltage tolerance: ±1%
6. valve body length within tolerable dimension is capable of customizing according to client's requirement
7. Custom-made AC/DC voltage is acceptable
8. Acceptable for specific fluid type when ordering (ex. Steam, gas, vacuum, diesel, gasoline)
9. Acceptable for operating temperature to customize Viton (130°C) and Silicone (130°C)
10. Flanged end: JIS 10K; Specific specification(ANSI 150LB, PN16 etc) is acceptable to customize



Option coil:

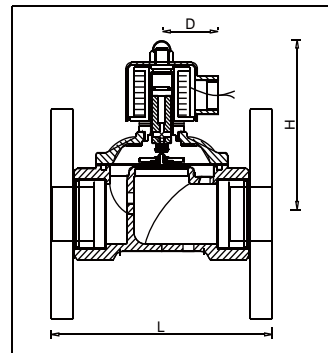


DIN	MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KG/CM ²			DIMENSION(mm)			WEIGHT (kg)
						AIR	WATER	LIGHT OIL	L	H	D	
●	UW-15F	1/2"	4.5	15 mm	-5°C ~ 80°C	0-7	0-5	0-5	110	100	48	2.12
●	UW-20F	3/4"	8.6	20 mm	-5°C ~ 80°C	0-7	0-5	0-5	110	102	48	2.63
●	UW-25F	1"	12	25 mm	-5°C ~ 80°C	0-7	0-5	0-5	150	115	48	4.1
	UW-35F	1 1/4"	24	35 mm	-5°C ~ 80°C	0-7	0-5	0-5	155	140	58	5.9
	UW-40F	1 1/2"	28	40 mm	-5°C ~ 80°C	0-7	0-5	0-5	155	142	58	6.4
	UW-50F	2"	48	50 mm	-5°C ~ 80°C	0-7	0-5	0-5	200	198	58	9.2

DATA SHEET	
PARTS	MATERIAL
Coil	Special copper wire(H)
Tube	Stainless steel
Core	Stainless steel
Core spring	Stainless steel
Plug	NBR.Viton.Silicone
Diaphragm	NBR.Viton.Silicone
Valve	Forged brass.Cast brass

SUW-F Series

1. SUW-F series is direct, multiplex, connected diaphragm, conductive, and normally closed
2. Valve body made of investment casting S/S 316
3. Able to be operated directly without pressure
4. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
5. AC Voltage tolerance: ±10%; DC Voltage tolerance: ±1%
6. valve body length is capable of customizing according to client's requirement
7. Custom-made AC/DC voltage is acceptable
8. Acceptable for specific fluid type when ordering (ex. Steam, gas, vacuum, diesel, gasoline)
9. Acceptable for operating temperature to customize Viton (130°C) and Silicone (130°C)
10. Flanged end: JIS 10K; Specific specification(ANSI 150LB, PN16 etc) is acceptable to customize



Option coil:



DIN	MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KG/CM ²				DIMENSION(mm)			WEIGHT (kg)
						WATER	AIR	LIGHT OIL	VACUUM	L	H	D	
●	SUW-15F#316	1/2"	4.5	15 mm	-5°C ~ 80°C	0-5	0-7	0-5	0-760 Torr	110	100	48	2.2
●	SUW-20F#316	3/4"	8.6	20 mm	-5°C ~ 80°C	0-5	0-7	0-5	0-760 Torr	120	106	48	2.5
●	SUW-25F#316	1"	12	25 mm	-5°C ~ 80°C	0-5	0-7	0-5	0-760 Torr	150	110	48	4.1
	SUW-35F#316	1 1/4"	24	35 mm	-5°C ~ 80°C	0-5	0-7	0-5	0-760 Torr	170	138	58	6.1
	SUW-40F#316	1 1/2"	28	40 mm	-5°C ~ 80°C	0-5	0-7	0-5	0-760 Torr	170	138	58	6.7
	SUW-50F#316	2"	48	50 mm	-5°C ~ 80°C	0-5	0-7	0-5	0-760 Torr	210	156	58	9.51

DATA SHEET	
PARTS	MATERIAL
Coil	Special copper wire(H)
Tube	Stainless steel
Core	Stainless steel
Core spring	Stainless steel
Plug	NBR.Viton.Silicone
Diaphragm	NBR.Viton.Silicone
Valve	S/S 316

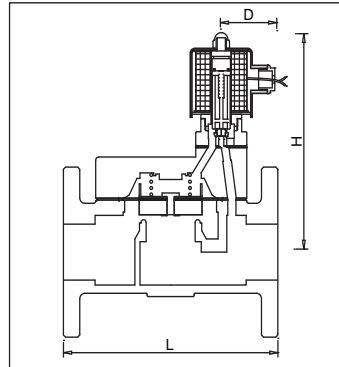
⚠ UW-F.SUW-F Not for fluid of :

- 1.Liquid status when heat,solid status when cool.
- 2.Viscosity over 20cst.
- 3.Corrosive fluid

UWF.UWF-NO Series

UWF Series

1. UWF series is multiplex, pilot operated diaphragm, conductive, and normally closed
2. Valve body made of FC-20
3. Minimum pressure of 0.2 kgf/cm² is required
4. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
5. AC Voltage tolerance: ±10%; DC Voltage tolerance: ±1%
6. Flanged end: JIS 10K; Specific specification(ANSI 150LB, PN16 etc) is acceptable to customize, 2½"F~4"F
7. Custom-made AC/DC voltage is acceptable
8. Suitable and applicable for horizontal installation, excluding for vertical installation
9. Ans. MOQ for customized ANSI 150LB,PN16 1 1/4"F~2"F

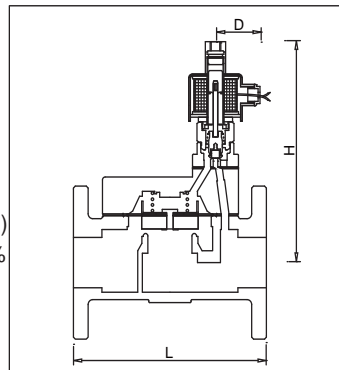


DIN	MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KGf/CM ²			DIMENSION(mm)			WEIGHT (kg)
						AIR	WATER	LIGHT OIL	L	H	D	
	UW-35F	1 1/4"	22	35 mm	-5°C ~ 80°C	0.2-8	0.2-8	0.2-5	200	185	58	9.5
	UW-40F	1 1/2"	30	40 mm	-5°C ~ 80°C	0.2-8	0.2-8	0.2-5	200	185	58	10.2
	UW-50F	2"	40	50 mm	-5°C ~ 80°C	0.2-8	0.2-8	0.2-5	210	203	58	11.9
	UW-65F	2 1/2"	68	65 mm	-5°C ~ 80°C	0.2-8	0.2-8	0.2-5	240	198	58	16.3
	UW-80F	3"	102	80 mm	-5°C ~ 80°C	0.2-8	0.2-8	0.2-5	300	212	58	21.4
	UW-100F	4"	180	100 mm	-5°C ~ 80°C	0.2-8	0.2-8	0.2-5	340	228	58	32.3

DATA SHEET	
PARTS	MATERIAL
Coil	Special copper wire(H)
Tube	Stainless steel
Core	Stainless steel
Core spring	Stainless steel
Plug	NBR
Diaphragm	NBR
Valve	FC-20

UWF-NO Series

1. UWF-NO series is multiplex, pilot operated diaphragm, conductive, and normally open
2. Valve body made of FC-20
3. Minimum pressure of 0.2 kgf/cm² is required
4. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
5. AC Voltage tolerance: ±10%; DC Voltage tolerance: ±1%
6. Flanged end: JIS 10K; Specific specification (ANSI 150LB, PN16 etc) is acceptable to customize, 2½"F~4"F
7. Custom-made AC/DC voltage is acceptable
8. Suitable and applicable for horizontal installation, excluding for vertical installation
9. Ans. MOQ for customized ANSI 150LB,PN16 1 1/4"F~2"F



DIN	MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KGf/CM ²			DIMENSION(mm)			WEIGHT (kg)
						AIR	WATER	LIGHT OIL	L	H	D	
	UW-35F-NO	1 1/4"	22	35 mm	-5°C ~ 80°C	0.2-8	0.2-8	0.2-5	200	200	58	9.7
	UW-40F-NO	1 1/2"	30	40 mm	-5°C ~ 80°C	0.2-8	0.2-8	0.2-5	200	205	58	10.4
	UW-50F-NO	2"	40	50 mm	-5°C ~ 80°C	0.2-8	0.2-8	0.2-5	210	223	58	12.1
	UW-65F-NO	2 1/2"	68	65 mm	-5°C ~ 80°C	0.2-8	0.2-8	0.2-5	240	218	58	16.5
	UW-80F-NO	3"	102	80 mm	-5°C ~ 80°C	0.2-8	0.2-8	0.2-5	300	232	58	21.6
	UW-100F-NO	4"	180	100 mm	-5°C ~ 80°C	0.2-8	0.2-8	0.2-5	340	248	58	32.5

DATA SHEET	
PARTS	MATERIAL
Coil	Special copper wire(H)
Tube	Stainless steel
Core	Stainless steel
Core spring	Stainless steel
Plug	NBR
Diaphragm	NBR
Valve	FC-20

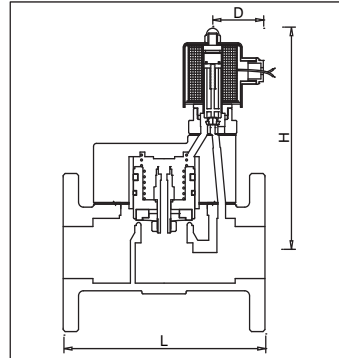
⚠ UWF.UWF-NO Not for fluid of :

- 1.Liquid status when heat,solid status when cool.
- 2.Viscosity over 20cst.
- 3.Corrosive fluid

USF.USF-NO Series

USF Series

1. USF series is multiplex, pilot operated piston, conductive, and normally closed
2. Valve body made of FC-20
3. Minimum pressure of 0.5 kgf/cm² is required
4. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
5. AC Voltage tolerance: ±10%; DC Voltage tolerance: ±1%
6. Flanged end: JIS 10K; Specific specification(ANSI 150LB, PN16 etc) is acceptable to customize, 2½"F~4"F
7. Custom-made AC/DC voltage is acceptable
8. Suitable and applicable for horizontal installation, excluding for vertical installation
9. Ans. MOQ for customized ANSI 150LB,PN16 1 1/4"F~2"F

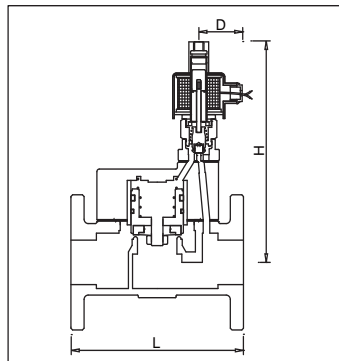


DIN	MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KGf/CM ²			DIMENSION(mm)			WEIGHT (kg)
						STEAM	WATER	AIR	L	H	D	
	US-35F	1 1/4"	22	35 mm	-5C ~ 185C	0.5-10	0.5-10	0.5-10	200	210	58	11.3
	US-40F	1 1/2"	30	40 mm	-5C ~ 185C	0.5-10	0.5-10	0.5-10	200	210	58	11.52
	US-50F	2"	40	50 mm	-5C ~ 185C	0.5-10	0.5-10	0.5-10	210	223	58	13.8
	US-65F	2 1/2"	68	65 mm	-5C ~ 185C	0.5-10	0.5-10	0.5-10	240	230	58	19.8
	US-80F	3"	100	80 mm	-5C ~ 185C	0.5-10	0.5-10	0.5-10	300	249	58	27.6
	US-100F	4"	175	100 mm	-5C ~ 185C	0.5-10	0.5-10	0.5-10	340	265	58	39.3

DATA SHEET	
PARTS	MATERIAL
Coil	Special copper wire(H)
Tube	Stainless steel
Core	Stainless steel
Core spring	Stainless steel
Plug	PTFE
Piston	Brass
Piston Plug	PTFE
Valve	FC-20

USF-NO Series

1. USF-NO series is multiplex, pilot operated piston, conductive, and normally open
2. Valve body made of FC-20
3. Minimum pressure of 0.5 kgf/cm² is required
4. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
5. AC Voltage tolerance: ±10%; DC Voltage tolerance: ±1%
6. Flanged end: JIS 10K; Specific specification(ANSI 150LB, PN16 etc) is acceptable to customize, 2½"F~4"F
7. Custom-made AC/DC voltage is acceptable
8. Suitable and applicable for horizontal installation, excluding for vertical installation
9. Ans. MOQ for customized ANSI 150LB,PN16 1 1/4"F~2"F



DIN	MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KGf/CM ²			DIMENSION(mm)			WEIGHT (kg)
						STEAM	WATER	AIR	L	H	D	
	US-35F-NO	1 1/4"	22	35 mm	-5C ~ 130C	0.5-8	0.5-8	0.5-8	200	226	58	11.48
	US-40F-NO	1 1/2"	30	40 mm	-5C ~ 130C	0.5-8	0.5-8	0.5-8	200	229	58	11.7
	US-50F-NO	2"	40	50 mm	-5C ~ 130C	0.5-8	0.5-8	0.5-8	210	243	58	14
	US-65F-NO	2 1/2"	68	65 mm	-5C ~ 130C	0.5-8	0.5-8	0.5-8	240	250	58	20
	US-80F-NO	3"	100	80 mm	-5C ~ 130C	0.5-8	0.5-8	0.5-8	300	269	58	27.8
	US-100F-NO	4"	175	100 mm	-5C ~ 130C	0.5-8	0.5-8	0.5-8	340	284	58	39.45

DATA SHEET	
PARTS	MATERIAL
Coil	Special copper wire(H)
Tube	Stainless steel
Core	Stainless steel
Core spring	Stainless steel
Plug	Viton
Piston	Brass
Piston Plug	PTFE
Valve	FC-20

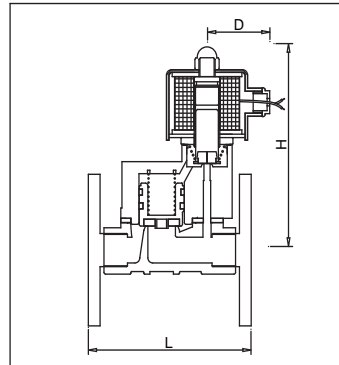
⚠ USF.USF-NO Not for fluid of :

- 1.Liquid status when heat,solid status when cool.
- 2.Viscosity over 20cst.
- 3.Corrosive fluid

SUS-F Series.Appendix 1-Coil type

SUS-F Series

1. SUS-F#316 series is multiplex, pilot operated piston, conductive, and normally closed
2. Valve body made of investment casting S/S 316
3. Minimum pressure of 0.5 kgf/cm² is required
4. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
5. AC Voltage tolerance: ±10%; DC Voltage tolerance: ±1%
6. Flanged end :JIS 10K; specific specification (ANSI 150LB,PN16 etc) is acceptable to customize
7. Custom-made AC/DC voltage is acceptable
8. Optional for normally open
9. Specially suitable for activities frequently operated
- 10.Suitable and applicable for horizontal installation, excluding for vertical installation



Option coil:

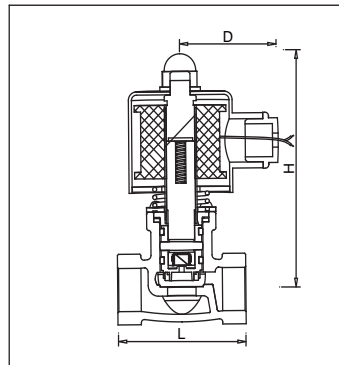


DIN	MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KGf/CM ²				DIMENSION(mm)			WEIGHT (kg)
						WATER	AIR	STEAM	LIGHT OIL	L	H	D	
●	SUS-15F	1/2"	4.0	17 mm	-5C ~ 185C	0.5-10	0.5-10	0.5-10	0.5-10	120	115	48	2.5
●	SUS-20F	3/4"	6.0	17 mm	-5C ~ 185C	0.5-10	0.5-10	0.5-10	0.5-10	120	120	48	3
●	SUS-25F	1"	12	22 mm	-5C ~ 185C	0.5-10	0.5-10	0.5-10	0.5-10	157	132	48	4.3
●	SUS-35F	1 1/4"	18	30 mm	-5C ~ 185C	0.5-10	0.5-10	0.5-10	0.5-10	170	142	48	5.6
●	SUS-40F	1 1/2"	22	30 mm	-5C ~ 185C	0.5-10	0.5-10	0.5-10	0.5-10	170	146	48	6.1
●	SUS-50F	2"	48	50 mm	-5C ~ 185C	0.5-10	0.5-10	0.5-10	0.5-10	210	173	48	9.6

DATA SHEET	
PARTS	MATERIAL
Coil	Special copper wire(H)
Tube	Stainless steel
Core spring	Stainless steel
Core	Stainless steel
Plug	PTFE
Piston	Stainless steel
Piston Plug	PTFE
Valve	S/S 316

USS Series

1. USS series is direct-acting, pilot operated piston, conductive, and normally closed
2. Valve body made of cast bronze
3. Able to be operated directly without pressure
4. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
5. AC Voltage tolerance: ±10%; DC Voltage tolerance: ±1%
6. Screwed end: BSPT; Specific specification is acceptable to NPT, BSP and others
7. Custom-made AC/DC voltage is acceptable
8. Suitable and applicable for horizontal installation, or for vertical installation within 15 degree at angle
9. While installing, mount a strainer onto the inlet port of valve



MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KGf/CM ²								DIMENSION(mm)			WEIGHT (kg)
					STEAM		WATER		AIR		LIGHT OIL		L	H	D	
USS-15	1/2"	3	14 mm	-5C ~ 185C	AC 0-10	DC 0-7	AC 0-8	DC 0-5	AC 0-10	DC 0-7	AC 0-7	DC 0-5	63	109	48	0.834

DATA SHEET	
PARTS	MATERIAL
Coil	Special copper wire(H)
Tube	Stainless steel
Core	Stainless steel
Core spring	Stainless steel
Plug	PTFE
Piston	Brass
Piston Plug	PTFE
Valve	Cast bronze

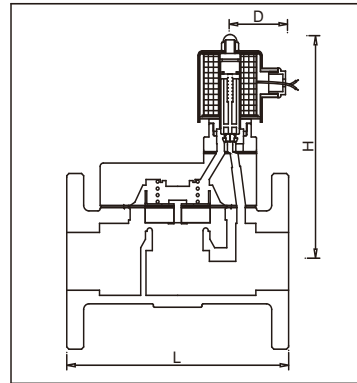
⚠ SUS-F.USS Not for fluid of :

1.Liquid status when heat,solid status when cool. 2.Viscosity over 20cst. 3.Corrosive fluid

UWF-1UWF-1NO Series

UWF-1 Series

1. UWF series is multiplex, pilot operated diaphragm, conductive, and normally closed
2. Valve body made of FC-20
3. Minimum pressure of 0.2 kgf/cm² is required
4. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
5. AC Voltage tolerance: ±10%; DC Voltage tolerance: ±1%
6. Flanged end: JIS 10K; Specific specification(ANSI 150LB, PN16 etc) is acceptable to customize, 2½"F~4"F
7. Custom-made AC/DC voltage is acceptable
8. Suitable and applicable for horizontal installation, excluding for vertical installation
9. Ans. MOQ for customized ANSI 150LB,PN16 1 1/4"F~2"F



Option coil:

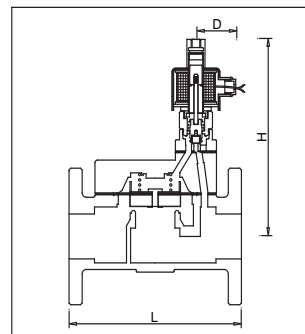


DIN	MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KG/CM ²			DIMENSION(mm)			WEIGHT (kg)
						AIR	WATER	LIGHT OIL	L	H	D	
●	UW-35F-1	1 1/4"	22	35 mm	-5°C~80°C	0.2-8	0.2-8	0.2-5	200	164	48	8.9
●	UW-40F-1	1 1/2"	30	40 mm	-5°C~80°C	0.2-8	0.2-8	0.2-5	200	164	48	9.6
●	UW-50F-1	2"	40	50 mm	-5°C~80°C	0.2-8	0.2-8	0.2-5	210	182	48	11.3
●	UW-65F-1	2 1/2"	68	65 mm	-5°C~80°C	0.2-8	0.2-8	0.2-5	240	177	48	15.6
●	UW-80F-1	3"	102	80 mm	-5°C~80°C	0.2-8	0.2-8	0.2-5	300	191	48	20.8
●	UW-100F-1	4"	180	100 mm	-5°C~80°C	0.2-8	0.2-8	0.2-5	340	207	48	31.7

DATA SHEET	
PARTS	MATERIAL
Coil	Special copper wire(H)
Tube	Stainless steel
Core	Stainless steel
Core spring	Stainless steel
Plug	NBR
Diaphragm	NBR
Valve	FC-20

UWF-1NO Series

1. UWF-NO series is multiplex, pilot operated diaphragm, conductive, and normally open
2. Valve body made of FC-20
3. Minimum pressure of 0.2 kgf/cm² is required
4. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
5. AC Voltage tolerance: ±10%; DC Voltage tolerance: ±1%
6. Flanged end: JIS 10K; Specific specification (ANSI 150LB, PN16 etc) is acceptable to customize, 2½"F~4"F
7. Custom-made AC/DC voltage is acceptable
8. Suitable and applicable for horizontal installation, excluding for vertical installation
9. Ans. MOQ for customized ANSI 150LB,PN16 1 1/4"F~2"F



Option coil:



DIN	MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KG/CM ²			DIMENSION(mm)			WEIGHT (kg)
						AIR	WATER	LIGHT OIL	L	H	D	
●	UW-35F-1NO	1 1/4"	22	35 mm	-5°C~80°C	0.2-8	0.2-8	0.2-5	200	195	48	9.1
●	UW-40F-1NO	1 1/2"	30	40 mm	-5°C~80°C	0.2-8	0.2-8	0.2-5	200	195	48	9.8
●	UW-50F-1NO	2"	40	50 mm	-5°C~80°C	0.2-8	0.2-8	0.2-5	210	213	48	11.5
●	UW-65F-1NO	2 1/2"	68	65 mm	-5°C~80°C	0.2-8	0.2-8	0.2-5	240	208	48	15.8
●	UW-80F-1NO	3"	102	80 mm	-5°C~80°C	0.2-8	0.2-8	0.2-5	300	222	48	21
●	UW-100F-1NO	4"	180	100 mm	-5°C~80°C	0.2-8	0.2-8	0.2-5	340	238	48	31.9

DATA SHEET	
PARTS	MATERIAL
Coil	Special copper wire(H)
Tube	Stainless steel
Core	Stainless steel
Core spring	Stainless steel
Plug	NBR
Diaphragm	NBR
Valve	FC-20

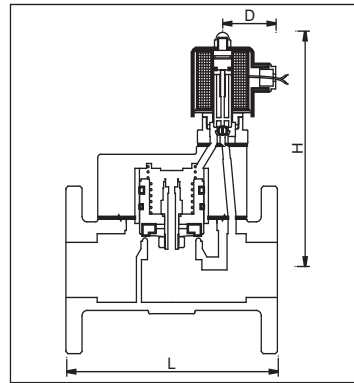
⚠ UWF-1.UWF-1NO Not for fluid of :

- 1.Liquid status when heat,solid status when cool.
- 2.Viscosity over 20cst.
- 3.Corrosive fluid

USF-1USF-1NO Series

USF-1 Series

1. USF series is multiplex, pilot operated piston, conductive, and normally closed
2. Valve body made of FC-20
3. Minimum pressure of 0.5 kgf/cm² is required
4. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
5. AC Voltage tolerance: ±10%; DC Voltage tolerance: ±1%
6. Flanged end: JIS 10K; Specific specification(ANSI 150LB, PN16 etc) is acceptable to customize, 2½"F~4"F
7. Custom-made AC/DC voltage is acceptable
8. Suitable and applicable for horizontal installation, excluding for vertical installation
9. Ans. MOQ for customized ANSI 150LB,PN16 1 1/4"F~2"F



Option coil:



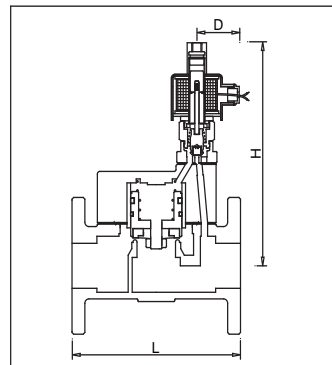
DIN	MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KGf/CM ²			DIMENSION(mm)			WEIGHT (kg)
						AIR	WATER	LIGHT OIL	L	H	D	
●	US-35F-1	1 1/4"	22	35 mm	-5°C~185°C	0.5-10	0.5-10	0.5-10	200	189	48	10.7
●	US-40F-1	1 1/2"	30	40 mm	-5°C~185°C	0.5-10	0.5-10	0.5-10	200	189	48	10.9
●	US-50F-1	2"	40	50 mm	-5°C~185°C	0.5-10	0.5-10	0.5-10	210	202	48	13.2
●	US-65F-1	2 1/2"	68	65 mm	-5°C~185°C	0.5-10	0.5-10	0.5-10	240	209	48	19.2
●	US-80F-1	3"	100	80 mm	-5°C~185°C	0.5-10	0.5-10	0.5-10	300	228	48	27
●	US-100F-1	4"	175	100 mm	-5°C~185°C	0.5-10	0.5-10	0.5-10	340	244	48	38.7

DATA SHEET

PARTS	MATERIAL
Coil	Special copper wire(H)
Tube	Stainless steel
Core	Stainless steel
Core spring	Stainless steel
Plug	PTFE
Piston	Brass
Piston plug	PTFE
Valve	FC-20

USF-1NO Series

1. USF-NO series is multiplex, pilot operated piston, conductive, and normally open
2. Valve body made of FC-20
3. Minimum pressure of 0.5 kgf/cm² is required
4. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
5. AC Voltage tolerance: ±10%; DC Voltage tolerance: ±1%
6. Flanged end: JIS 10K; Specific specification (ANSI 150LB, PN16 etc) is acceptable to customize, 2½"F~4"F
7. Custom-made AC/DC voltage is acceptable
8. Suitable and applicable for horizontal installation, excluding for vertical installation
9. Ans. MOQ for customized ANSI 150LB,PN16 1 1/4"F~2"F



Option coil:



DIN	MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KGf/CM ²			DIMENSION(mm)			WEIGHT (kg)
						AIR	WATER	LIGHT OIL	L	H	D	
●	US-35F-1NO	1 1/4"	22	35 mm	-5°C~130°C	0.5-8	0.5-8	0.5-8	200	216	48	10.9
●	US-40F-1NO	1 1/2"	30	40 mm	-5°C~130°C	0.5-8	0.5-8	0.5-8	200	219	48	11.1
●	US-50F-1NO	2"	40	50 mm	-5°C~130°C	0.5-8	0.5-8	0.5-8	210	233	48	13.4
●	US-65F-1NO	2 1/2"	68	65 mm	-5°C~130°C	0.5-8	0.5-8	0.5-8	240	240	48	19.4
●	US-80F-1NO	3"	100	80 mm	-5°C~130°C	0.5-8	0.5-8	0.5-8	300	259	48	27.2
●	US-100F-1NO	4"	175	100 mm	-5°C~130°C	0.5-8	0.5-8	0.5-8	340	274	48	38.9

DATA SHEET

PARTS	MATERIAL
Coil	Special copper wire(H)
Tube	Stainless steel
Core	Stainless steel
Core spring	Stainless steel
Plug	Viton
Piston	Brass
Piston plug	PTFE
Valve	FC-20

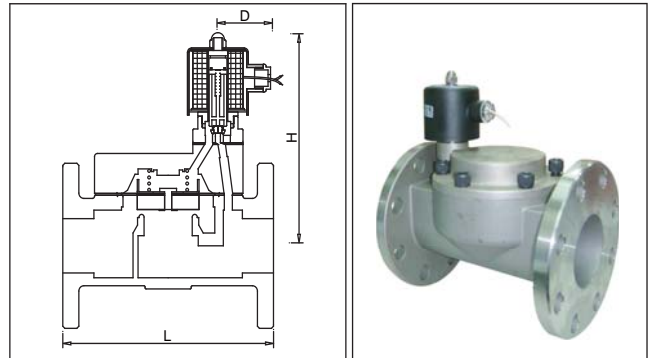
⚠ USF-1.USF-1NO Not for fluid of :

- 1.Liquid status when heat,solid status when cool.
- 2.Viscosity over 20cst.
- 3.Corrosive fluid

SUWF.SUWF-NO Series

SUWF Series

1. SUWF series is multiplex, pilot operated diaphragm, conductive, and normally closed
2. Valve body made of investment casting S/S 304
3. Minimum pressure of 0.5 kgf/cm² is required
4. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
5. AC Voltage tolerance: ±10%; DC Voltage tolerance: ±1%
6. Flanged end: JIS 10K
7. Custom-made AC/DC voltage is acceptable
8. Suitable and applicable for horizontal installation, excluding for vertical installation

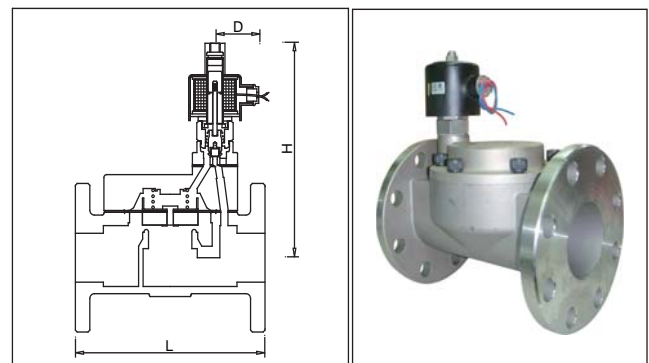


DIN	MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KGf/CM ²			DIMENSION(mm)			WEIGHT (kg)
						LIGHT OIL	WATER	AIR	L	H	D	
	SUW-80F	3"	100	80mm	-5°C~80°C	0.5-5	0.5-8	0.5-8	240	188	58	15.9

DATA SHEET	
PARTS	MATERIAL
Coil	Special copper wire(H)
Tube	Stainless steel
Core	Stainless steel
Core spring	Stainless steel
Plug	NBR
Diaphragm	NBR
Valve	Stainless steel

SUWF NO Series

1. SUWF-NO series is multiplex, pilot operated diaphragm, conductive, and normally open
2. Valve body made of investment casting S/S 304
3. Minimum pressure of 0.5 kgf/cm² is required
4. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
5. AC Voltage tolerance: ±10%; DC Voltage tolerance: ±1%
6. Flanged end: JIS 10K
7. Custom-made AC/DC voltage is acceptable
8. Suitable and applicable for horizontal installation, excluding for vertical installation



DIN	MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KGf/CM ²			DIMENSION(mm)			WEIGHT (kg)
						LIGHT OIL	WATER	AIR	L	H	D	
	SUW-80FNNO	3"	100	80mm	-5°C~80°C	0.5-5	0.5-8	0.5-8	240	205	58	16

DATA SHEET	
PARTS	MATERIAL
Coil	Special copper wire(H)
Tube	Stainless steel
Core	Stainless steel
Core spring	Stainless steel
Plug	NBR
Diaphragm	NBR
Valve	Stainless steel

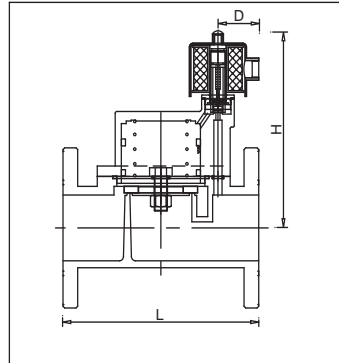
⚠ SUWF.SUWF-NO Not for fluid of :

1. Liquid status when heat, solid status when cool.
2. Viscosity over 20cst.
3. Corrosive fluid

SUSF.SUSF-NO Series

SUSF Series

1. SUSF series is multiplex, pilot operated piston, conductive, and normally closed
2. Valve body made of investment casting S/S 304
3. Minimum pressure of 0.5 kgf/cm² is required
4. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
5. AC Voltage tolerance: ±10%; DC Voltage tolerance: ±1%
6. Flanged end: JIS 10K
7. Custom-made AC/DC voltage is acceptable
8. Suitable and applicable for horizontal installation, excluding for vertical installation



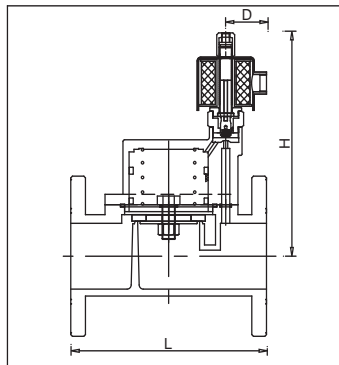
DIN	MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KG/CM ²			DIMENSION(mm)			WEIGHT (kg)
						STEAM	WATER	AIR	L	H	D	
	SUS-80F	3"	100	80mm	-5°C~185°C	0.5-10	0.5-10	0.5-10	240	232	58	19.9

DATA SHEET

PARTS	MATERIAL
Coil	Special copper wire(H)
Tube	Stainless steel
Core	Stainless steel
Core spring	Stainless steel
Plug	PTFE
Piston	Stainless steel
Piston plug	PTFE
Valve	Stainless steel

SUSF NO Series

1. SUSF-NO series is multiplex, pilot operated piston, conductive, and normally open
2. Valve body made of investment casting S/S 304
3. Minimum pressure of 0.5 kgf/cm² is required
4. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
5. AC Voltage tolerance: ±10%; DC Voltage tolerance: ±1%
6. Flanged end: JIS 10K
7. Custom-made AC/DC voltage is acceptable
8. Suitable and applicable for horizontal installation, excluding for vertical installation



DIN	MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KG/CM ²			DIMENSION(mm)			WEIGHT (kg)
						STEAM	WATER	AIR	L	H	D	
	SUS-80FNO	3"	100	80mm	-5°C~130°C	0.5-8	0.5-8	0.5-8	240	250	58	20

DATA SHEET

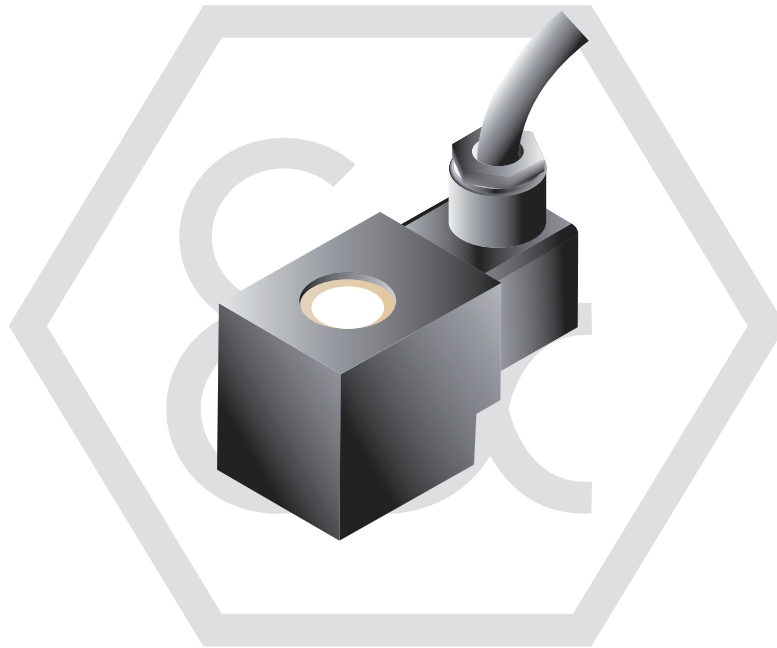
PARTS	MATERIAL
Coil	Special copper wire(H)
Tube	Stainless steel
Core	Stainless steel
Core spring	Stainless steel
Plug	Viton
Piston	Stainless steel
Piston plug	PTFE
Valve	Stainless steel

⚠ SUSF.SUSF-NO Not for fluid of :

1.Liquid status when heat,solid status when cool. 2.Viscosity over 20cst. 3.Corrosive fluid

Solenoid Valve Of Explosion Proof

PKS SKS PKW SKW



PKS Series



PKW Series



SKS Series



SKW Series

General description :

The **PKW,SKW,PKS,SKS** series provide reliable explosion-proof utilities for a wide range of application.

The explosion-proof level is:**EEX mII T4**.

Power requirement:**AC220V.AC110V.DC24V**

Features :

These coils are approved according to **EN50020,DIN VDE 0170/01710**.

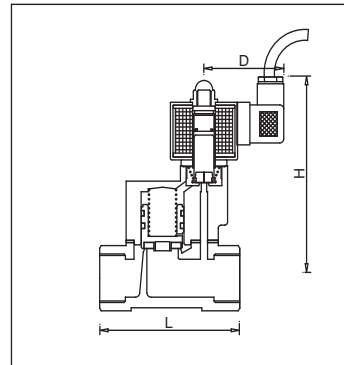
Fluid :

Steam.Water.Air.Oil.Gas.Vacuum

PKS .SKS of explosion proof series

PKS of explosion proof series(Ex mII T4)

1. PKS series is multiplex, pilot operated piston, conductive, and normally closed
2. Valve body made of forged brass
3. Minimum pressure of 0.5 kgf/cm² is required
4. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
5. AC Voltage tolerance: ±10%; DC Voltage tolerance: ±1%
6. Screwed end: BSPT; Specific specification is acceptable to NPT, BSP and others
7. Specially suitable for activities frequently operated
8. Suitable and applicable for horizontal installation, excluding for vertical installation



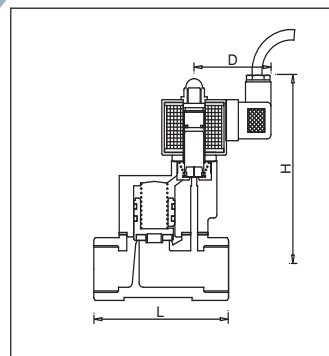
DIN	MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KG/CM ²				DIMENSION(mm)			WEIGHT (kg)
						AIR	WATER	LIGHT OIL	STEAM	L	H	D	
	PKS-15	1/2"	4.0	17mm	-5°C~130°C	0.5-10	0.5-10	0.5-10	0.5-10	82	128	54	1.55
	PKS-20	3/4"	6.0	17mm	-5°C~130°C	0.5-10	0.5-10	0.5-10	0.5-10	82	130	54	1.61
	PKS-25	1"	12	22mm	-5°C~130°C	0.5-10	0.5-10	0.5-10	0.5-10	100	145	54	2.36

DATA SHEET

PARTS	MATERIAL
Coil	Ex mII T4
Tube	Stainless steel
Core	Stainless steel
Core spring	Stainless steel
Plug	PTFE
Piston	Stainless steel
Piston plug	PTFE
Valve	Forged brass

SKS of explosion proof series(Ex mII T4)

1. SKS series is multiplex, pilot operated piston, conductive, and normally closed
2. Valve body made of investment casting S/S316
3. Minimum pressure of 0.5 kgf/cm² is required
4. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
5. AC Voltage tolerance: ±10%; DC Voltage tolerance: ±1%
6. Screwed end: BSPT; Specific specification is acceptable to NPT, BSP and others
7. Specially suitable for activities frequently operated
8. Suitable and applicable for horizontal installation, excluding for vertical installation



DIN	MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KG/CM ²				DIMENSION(mm)			WEIGHT (kg)
						AIR	WATER	LIGHT OIL	STEAM	L	H	D	
	SKS-15	1/2"	4.0	17mm	-5°C~130°C	0.5-10	0.5-10	0.5-10	0.5-10	84	143	54	1.61
	SKS-20	3/4"	6.0	17mm	-5°C~130°C	0.5-10	0.5-10	0.5-10	0.5-10	84	144	54	1.68
	SKS-25	1"	12	22mm	-5°C~130°C	0.5-10	0.5-10	0.5-10	0.5-10	98	154	54	2.08

DATA SHEET

PARTS	MATERIAL
Coil	Ex mII T4
Tube	Stainless steel
Core	Stainless steel
Core spring	Stainless steel
Plug	Viton
Piston	Stainless steel
Piston plug	PTFE
Valve	Stainless steel

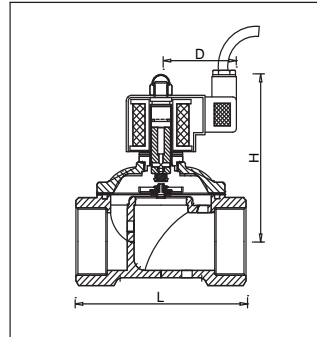
⚠ **PKS.SKS** Not for fluid of :

1. Liquid status when heat, solid status when cool.
2. Viscosity over 20cst.
3. Corrosive fluid

PKW.SKW of explosion proof series

PKW of explosion proof series(Ex mII T4)

1. PKW series is direct, multiplex, pilot operated diaphragm, conductive, and normally closed
2. Valve body made of forged brass
3. Able to be operated directly without pressure
4. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
5. AC Voltage tolerance: ±10%; DC Voltage tolerance: ±1%
6. Screwed end: BSPT; Specific specification is acceptable to NPT, BSP and others
7. Acceptable for specific fluid type when ordering (ex. Steam, gas, vacuum, diesel, gasoline)
8. Acceptable for operating temperature to customize Viton (130°C) and Silicone (130°C)

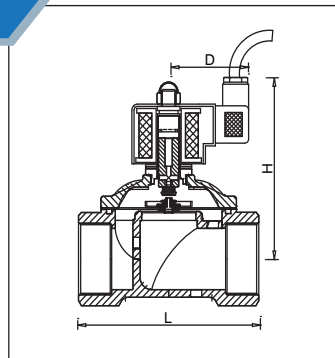


DIN	MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KGf/CM ²					DIMENSION(mm)			WEIGHT (kg)
						AIR	WATER	LIGHT OIL	GAS	VACUUM	L	H	D	
	PKW-10	3/8"	2.4	15mm	-5°C~80°C	0-7	0-5	0-5	0-5	0-760 Torr	70	100	54	1.05
	PKW-15	1/2"	4.5	15mm	-5°C~80°C	0-7	0-5	0-5	0-5	0-760 Torr	70	100	54	1.04
	PKW-20	3/4"	8.6	20mm	-5°C~80°C	0-7	0-5	0-5	0-5	0-760 Torr	73	108	54	1.16
	PKW-25	1"	12	25mm	-5°C~80°C	0-7	0-5	0-5	0-5	0-760 Torr	100	113	54	1.76

DATA SHEET	
PARTS	MATERIAL
Coil	EEx mII T4
Tube	Stainless steel
Core	Stainless steel
Core spring	Stainless steel
Plug	NBR.Viton.Silicone
Diaphragm	NBR.Viton.Silicone
Valve	Forged brass

SKW of explosion proof series(Ex mII T4)

1. SKW series is direct, multiplex, connected diaphragm, conductive, and normally closed
2. Valve body made of investment casting S/S316
3. Able to be operated directly without pressure
4. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
5. AC Voltage tolerance: ±10%; DC Voltage tolerance: ±1%
6. Screwed end: BSPT; Specific specification is acceptable to NPT, BSP and others
7. Acceptable for specific fluid type when ordering (ex. Steam, gas, vacuum, diesel, gasoline)
8. Acceptable for operating temperature to customize Viton (130°C) and Silicone (130°C)



DIN	MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KGf/CM ²					DIMENSION(mm)			WEIGHT (kg)
						AIR	WATER	LIGHT OIL	GAS	VACUUM	L	H	D	
	SKW-15	1/2"	4.5	15mm	-5°C~80°C	0-7	0-5	0-5	0-5	0-760 Torr	70	100	54	1.04
	SKW-20	3/4"	8.6	20mm	-5°C~80°C	0-7	0-5	0-5	0-5	0-760 Torr	76	107	54	1.12
	SKW-25	1"	12	25mm	-5°C~80°C	0-7	0-5	0-5	0-5	0-760 Torr	100	114	54	1.66

DATA SHEET	
PARTS	MATERIAL
Coil	EEx mII T4
Tube	Stainless steel
Core	Stainless steel
Core spring	Stainless steel
Plug	NBR.Viton.Silicone
Diaphragm	NBR.Viton.Silicone
Valve	SS 316

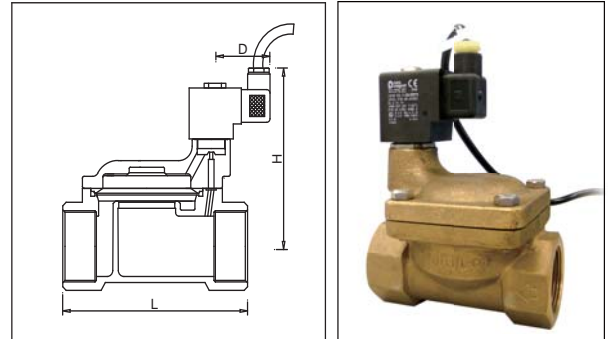
⚠ PKW.SKW Not for fluid of :

- 1.Liquid status when heat,solid status when cool.
- 2.Viscosity over 20cst.
- 3.Corrosive fluid

PKW of explosion proof series

PKW of explosion proof series(Ex mII T4)

1. PKW series is multiplex, pilot operated diaphragm, conductive, and normally closed
2. Valve body made of brass
3. Minimum pressure of 0.5 kgf/cm² is required
4. Standard voltage: 110VAC / 220VAC / 24VDC (50/60Hz)
5. AC Voltage tolerance: ±10%; DC Voltage tolerance: ±1%
6. Screwed end: BSPT; Specific specification is acceptable to NPT, BSP and others
7. Acceptable for specific fluid type when ordering (ex. Steam, gas, vacuum, diesel, gasoline)
8. Acceptable for operating temperature to customize Viton (130°C) and Silicone (130°C)



DIN	MODEL	PIPE SIZE	Cv	ORIFICE	FLUID TEMP. °C	MAX. OPERATING PRESSURE DIFF. KGf/CM ²			DIMENSION(mm)			WEIGHT (kg)
						AIR	WATER	LIGHT OIL	L	H	D	
	PKW-35	1 1/4"	24	35mm	-5°C~80°C	0.5-8	0.5-8	0.5-5	130	145	54	3.39
	PKW-40	1 1/2"	28	40mm	-5°C~80°C	0.5-8	0.5-8	0.5-5	130	150	54	3.49
	PKW-50	2"	48	50mm	-5°C~80°C	0.5-8	0.5-8	0.5-5	165	158	54	5.08

DATA SHEET	
PARTS	MATERIAL
Coil	Ex mII T4
Tube	Stainless steel
Core	Stainless steel
Core spring	Stainless steel
Plug	NBR
Diaphragm	NBR
Valve	Brass

Appendix1-coil Type/ Coil Specification/Installation Notice

Type	XL Type				L Type				M Type				S Type			
Dimension (mm)																
	D1	D2	D3	H	D1	D2	D3	H	D1	D2	D3	H	D1	D2	D3	H
	∅ 60.7	∅ 23	∅ 63.2	53.1	∅ 42.3	∅ 16.6	∅ 44.4	42.1	∅ 42.5	∅ 16.5	∅ 44.4	34.4	∅ 37.3	∅ 14.2	∅ 37.5	29.2
Model	US-15~50 / UW-35~50 / SUW-35~50 / UW-35~50NO / SUW-35~50NO / UW-35F~100F / US-35~100F / UWF-NO / USF-NO / US-35~50F(Coon)				UW-25 / UD-10~15大流量 / SUW-25				US-10(+NO) / UD-10(+NO) / UD-10H / UW-10~20 (+NO) / SUW-15~25(+NO) / UA-10 / UW-35-1~50 / UPS-15~25(+NO) / SUS-15~50(+NO) / SUS-10(+NO)				UD-8 / UA-8 / UD-8NO / UD-6 / UD-6H / UD-8H / US-8 / US-6 / US-6NO / US-8NO / UD-6NO / SUS-8 / SUS-8NO / SUS-6 / SUS-6NO			

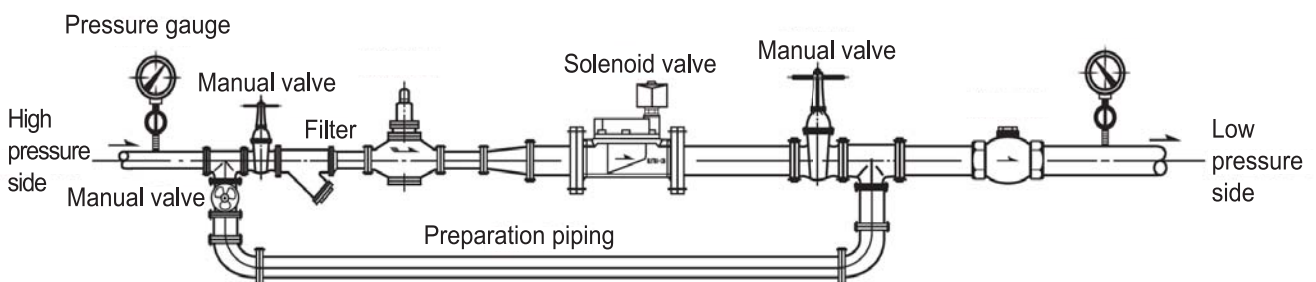
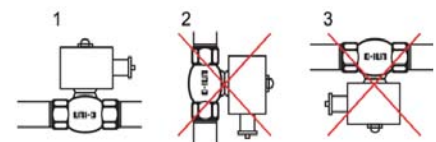
Type	Waterproof Coil				DIN				NASS (EEx mII T4)					
Dimension (mm)	S Type		M Type		AC		DC							
	D	L	H	D	D1	L	H	D	D1	L	H	D	L	H
	∅ 14.1	50.5	32.4	∅ 16.3	∅ 56	38	38.2	∅ 16.3	∅ 55.8	97	38	∅ 14.6	71.1	61
Model	UD-6 / UD-6H / UD-8 / UD-8H / UA-8 / US-8		UW-10~25(+NO) / UA-10 / UW-35-1~50(+NO) / UPS-15~25 / SUW-15~25(+NO) / SUS-15~50		US-10 / UD-10 / UD-10H / UW-10~25 / UW-10~25NO / SUW-15~25 / SUW-15~25NO / UA-10 / UW-35-1~50 / UW-35-1~50NO / UPS-15~25 / SUS-15~50 / UAO-8~15 / UDC-8~15 / UDC-TF-8~15		PKW-10~50 / SKW-15~25 / PKS-15~25 / SKS-5-25							

Notice:

1. Prior to pipelining, it is advisable to clear and clean first the impurities, adulterants or contaminants or any others ought not to be existed
2. To prolong the service time, it is advisable to install y-type screen filter at the front end of solenoid valve
3. While vending and pipelining , it's proposed to confirm the fluid type.
4. While vending and pipelining, it's proposed to confirm the operating voltage at the locale
5. While vending and pipelining, it's proposed to confirm the operating pressure
6. While vending and pipelining , it's proposed to confirm the fluid temperature used
7. Please refer to the illustration of pipelining
8. Using DC series, coil temperature will go high and pressure down attributable to longer time to powering-on that is not recommended.
9. USF, US series is specially applicable to minimum 2 kgf/cm² of pressure

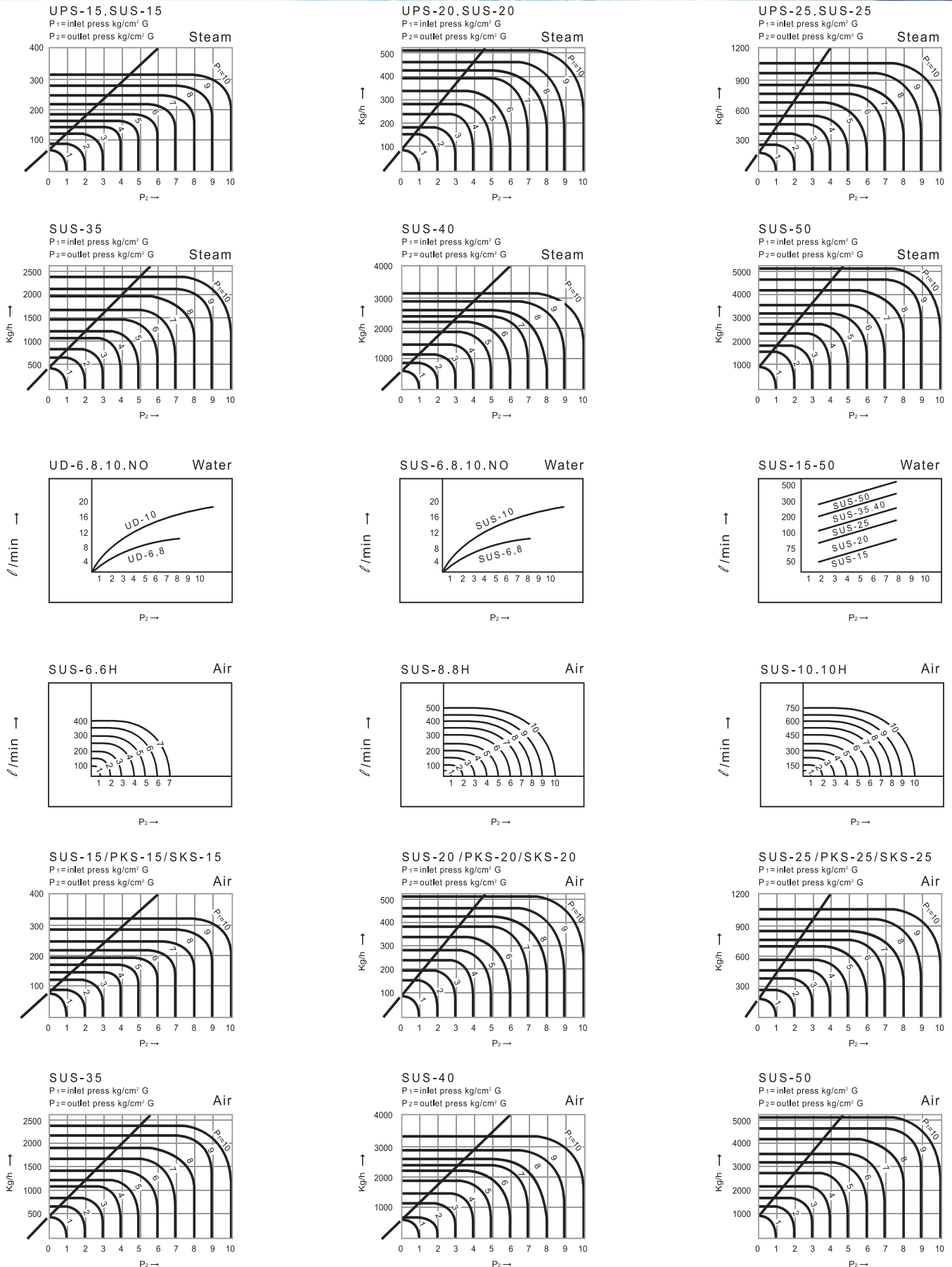
Solenoid piping direction:

⚠ Suitable and applicable for horizontal installation, excluding for vertical installation for avoidance of acting faltering and module or contrivance unworkable

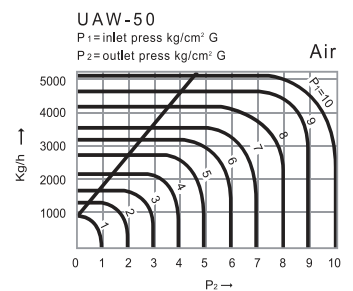
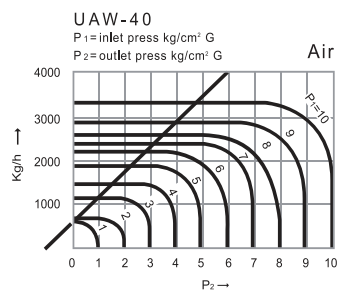
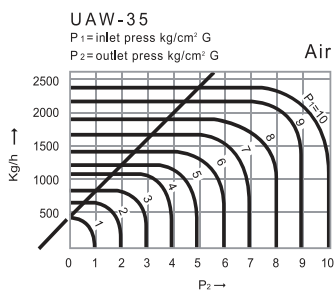
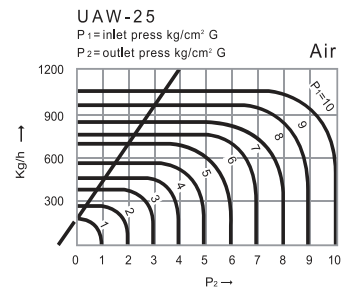
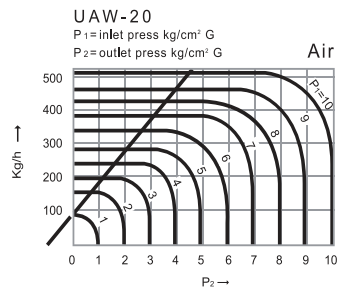
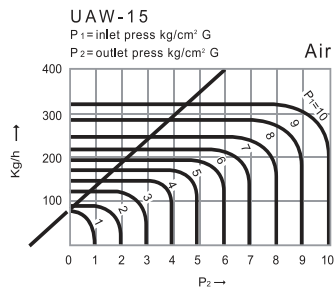
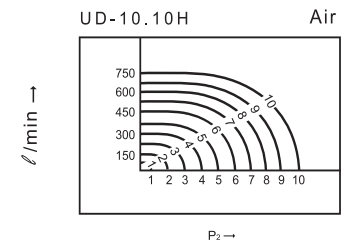
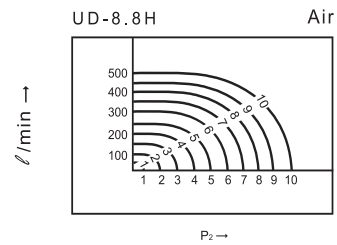
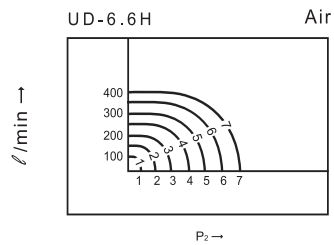
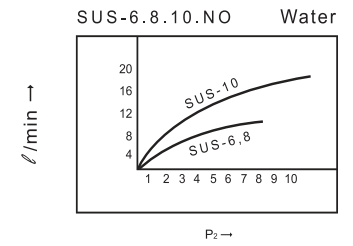
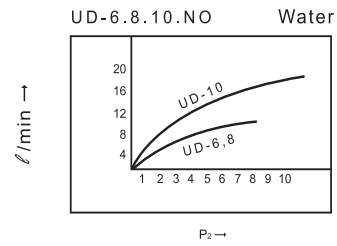
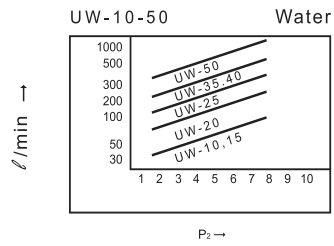
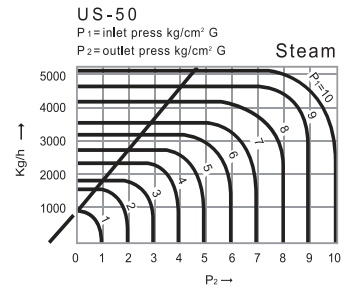
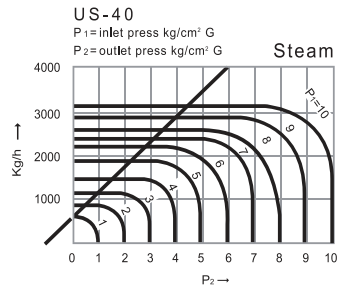
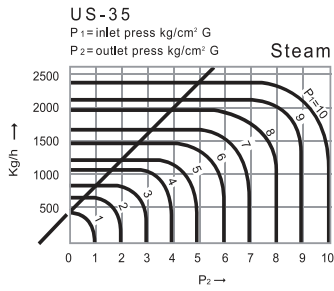
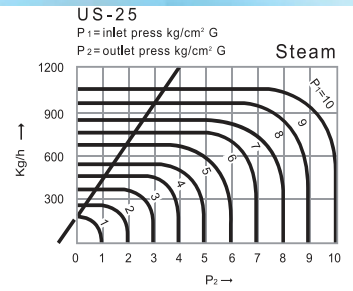
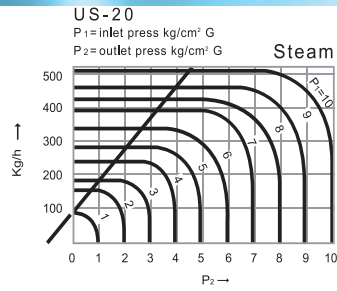
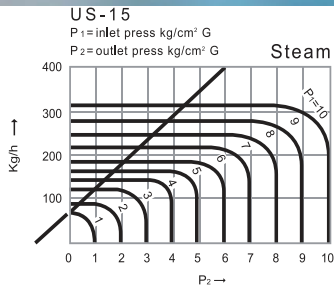


Detailed Description Of Diagram 1

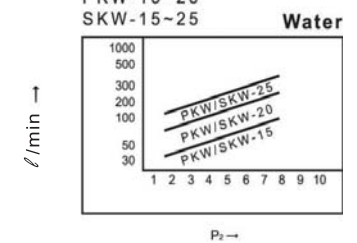
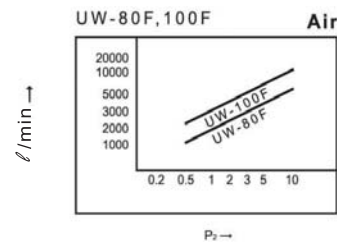
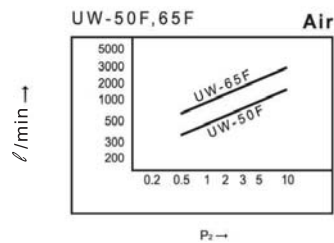
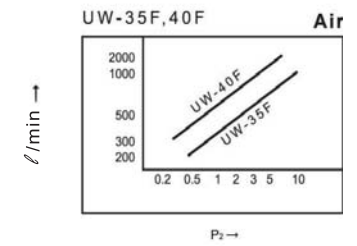
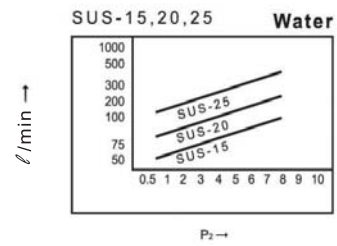
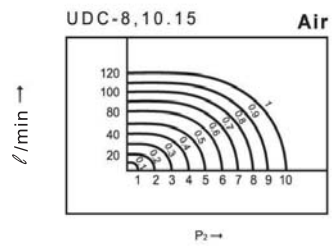
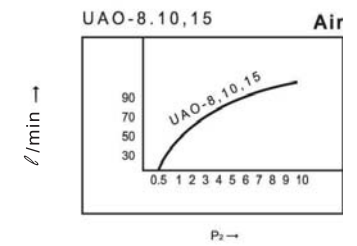
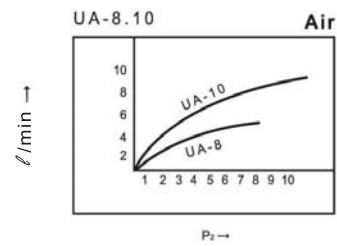
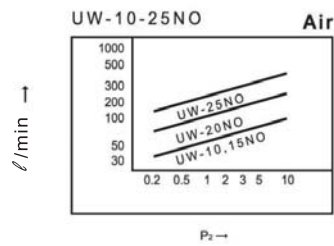
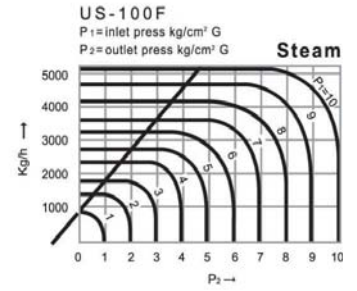
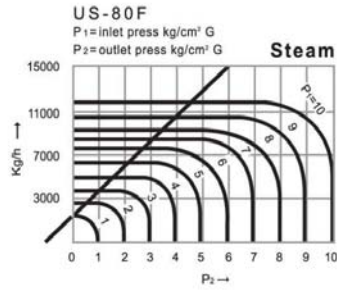
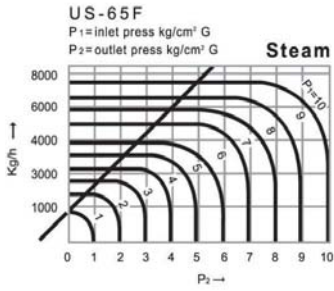
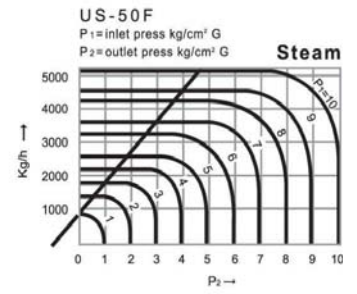
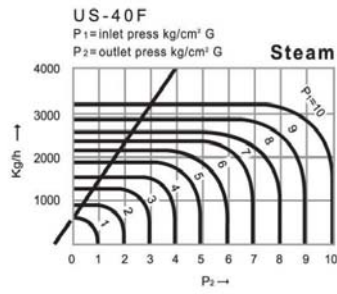
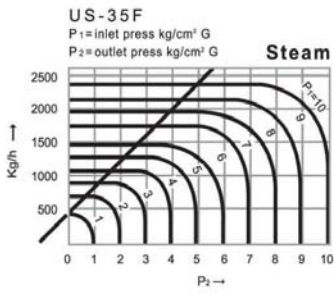
Appendix 2-Flow Chart




Appendix2-Flow Chart



Appendix 2-Flow Chart

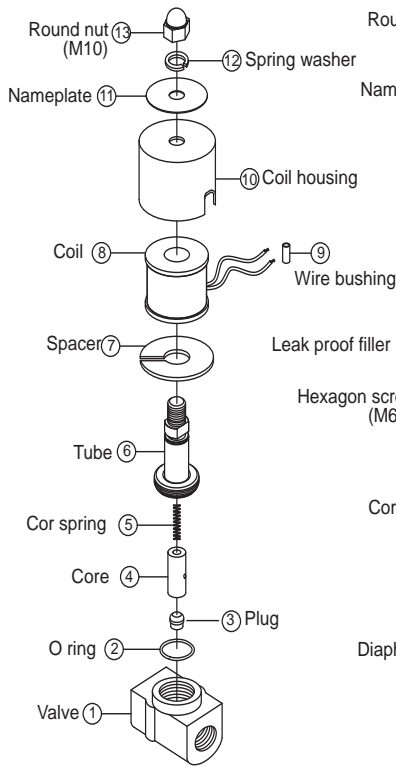


Appendix3-Table of power and Ampere

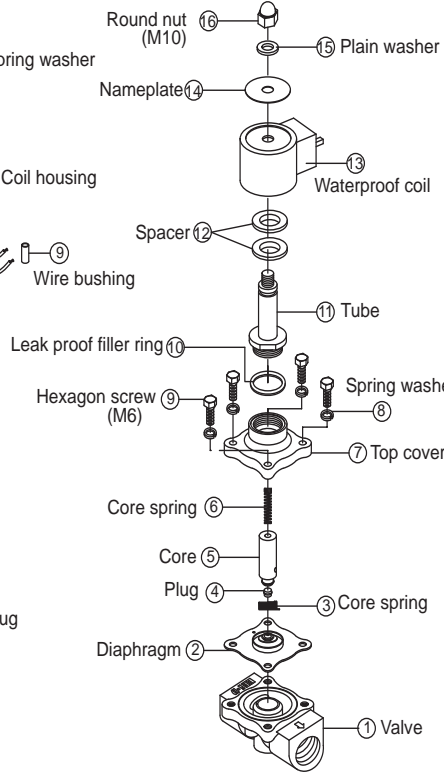
Model	Power	Ampere	Model	Power	Ampere	
UD-6~8	AC24V	0.48	UD-6NO~8NO			
SUS-6~8	AC110V	0.12		AC110V	0.33	
US-6~8	AC220V	0.06		SUS-6NO~8NO	AC220V	0.17
UA-8	DC24V	0.6		DC24V	0.77	
UD-10	AC24V	1.15	UD-10NO			
US-10	AC110V	0.21		AC110V	0.3	
UDCTF-8~15	AC220V	0.11	SUS-10NO~50NO	AC220V	0.17	
UDC-8~15	DC24V	1.2	UPS-15NO~25NO	DC24V	1.3	
UA-10						
UW-10~20	AC24V	1.15	UW-10NO~25NO			
UW-35~1~50~1	AC110V	0.21		AC110V	0.29	
UPS-15~25	AC220V	0.11	SUW-15NO~25NO	AC220V	0.16	
SUS-15~50	DC24V	1.2	DC24V	1		
UAO-8~15						
UW-25	AC24V	1.15	UW-35NO~50NO			
	AC110V	0.19		AC110V	0.98	
	AC220V	0.12		AC220V	0.52	
	DC24V	1.2		DC24V	1.6	
UW-35~UW-50	AC24V	2.6	USS-15			
UWF35	AC110V	0.51		AC110V	0.2	
UWF~100F	AC220V	0.28		AC220V	0.12	
USF35	DC24V	1.4		DC24V	0.9	
USF~100F						
US-15~US-50	AC24V	2.2	 Note: The user's Ampere Value must be than the above value.			
	AC110V	0.42				
UAW-15~50	AC220V	0.33				
	DC24V	1.5				
UD-15	DC24V	1.6				
	AC110V	0.45				
	AC220V	0.2				

Appendix 4-Assembly Drawing

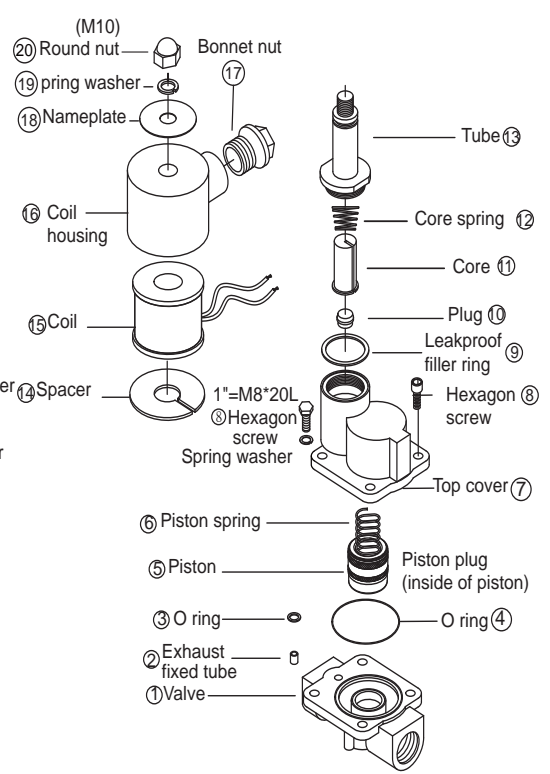
UD - 1/8"~1/2"



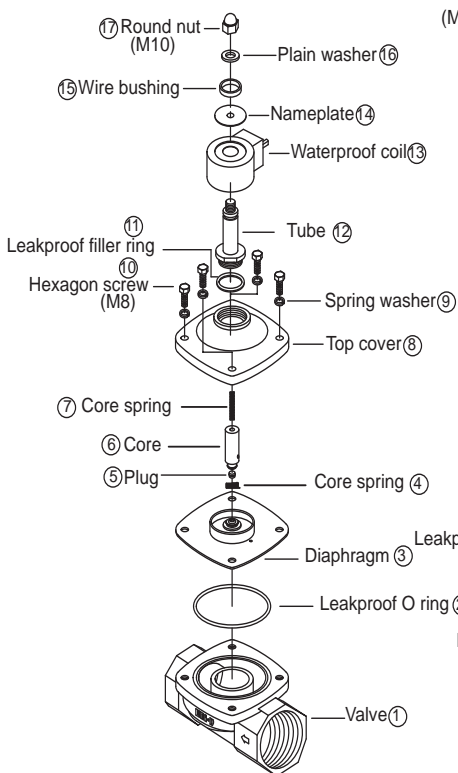
UW-3/8"~1"



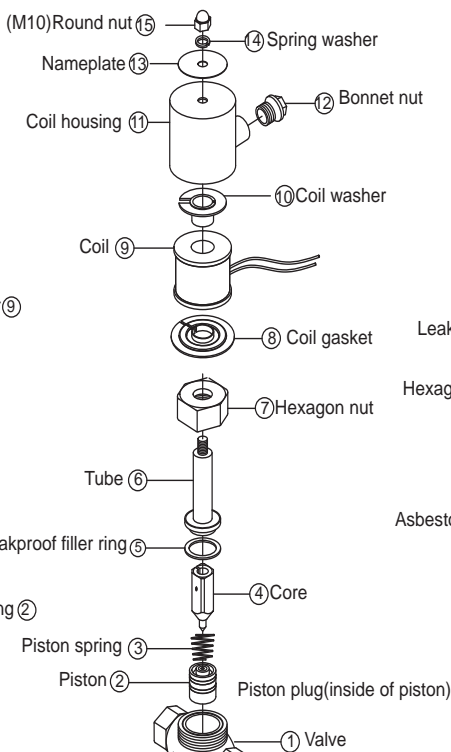
UPS-1/2"~1"



UW - 1 1/4~2"



US-1/2"



USF-3"~4"

