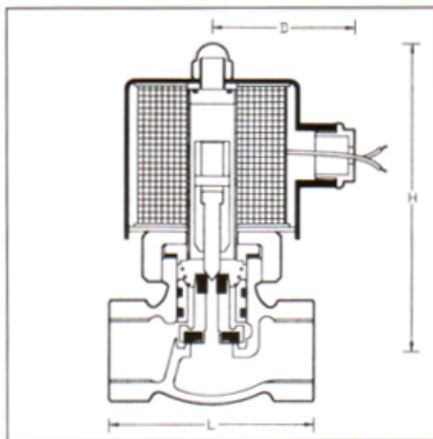




# 2-WAY SOLENOID VALVE US SERIES ISO-9001

MODEL: 2/2 MAXIMUM HIGH PRESSURE & HIGH TEMPERATURE TYPE. NORMALLY CLOSED.  
BORE : 1/2"~2" SCREWED END.  
FLUID : STEAM, AIR, HIGH PRESSURE WATER & HIGH PRESSURE AIR.



## MATERIAL

PARTS	MATERIAL
Body	Cast Bronze
Coil	Special Copper Wire (H)
Core Needle	Stainless Steel
Tube	Stainless Steel
Spring	Stainless Steel
Plug	PTFE + 15%GF
Bonnet/Nut	PTFE
Piston	Bronze

## DIMENSION

MODEL	US-15	US-20	US-25	US-35	US-40	US-50		
Conn. Pipe	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"		
L	82	82	91	110	110	163		
H	120	123	130	141	144	173		
D	58	58	58	58	58	58		
Weight/kg	1.7	1.7	2.0	3.1	3.3	7.2		

mm

## SPECIFICATION and CHARACTER:

1. US series is multiplex-drive, piston guide, conductive open Type.
2. Valve body made of cast bronze.
3. Basic pressure must be 0.5 kgf/cm<sup>2</sup> or more before operation.
4. Bore 1.1/4" should be 1 kgf/cm<sup>2</sup> or more.
5. Standard voltage: AC110V/AC220V/DC24V (50/60Hz)
6. AC Voltage tolerance: ±10%. DC voltage tolerance: ±1%.
7. Other special AC/DC voltages can be made to client's order.
8. Screwed end to: BSPT, NPT or BSP.
9. In case use for heavy oil is required to client's order.
10. In case the pressure range is more than 15 kgf/cm<sup>2</sup>, please state the type of fluid with your order.

## NOT FOR FLUID OF:

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

## CAUTION:

1. Pipes must be washed neat and clean before fitted.
2. A Y-STRAINER has to be installed in the front of solenoid valve, that is best for long life.
3. Before sales and installation, be sure what type of fluid, voltage, pressure, and fluid temperature used.
4. Installation only of horizontal piping. Vertical piping is not applicable.

## ANALYSIS

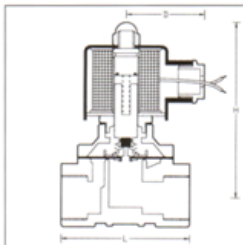
MODEL	CONNECTION PIPE SIZE	CV	ORIFICE MM	MAX. OPERATING PRESSURE DIFF. KGf/CM <sup>2</sup>				
				FLUID TEMP. °C	STEAM	AIR	WATER	LIGHT OIL
US-15	1/2"	4.0	17	-5~185°C	0.5-15	0.5-15	0.5-10	0.5-10
US-20	3/4"	6.0	17	-5~185°C	0.5-15	0.5-15	0.5-10	0.5-10
US-25	1"	12	22	-5~185°C	0.5-15	0.5-15	0.5-10	0.5-10
US-35	1.1/4"	18	30	-5~185°C	0.5-15	0.5-15	0.5-10	0.5-10
US-40	1.1/2"	22	32	-5~185°C	0.5-15	0.5-15	0.5-10	0.5-10
US-50	2"	48	50	-5~185°C	0.5-15	0.5-15	0.5-10	0.5-10

THE PRESSURE RATINGS INDICATED ABOVE ARE BASED ON AC110V/220V. THE MAXIMUM PRESSURE MAY VARY IN CASE ON DC/AC24V.  
SPECIAL ORDER: AC380V, 415V.



# 2-WAY SOLENOID VALVE UW SERIES ISO-9001

MODEL: 2/2 MAXIMUM REGULAR TYPE. NORMALLY CLOSED SOLENOID VALVE.  
 BORE : 3/8"-2" SCREWED END.  
 FLUID : WATER, AIR.



## MATERIAL

PARTS	MATERIAL
Body	Forge Brass / Cast Bronze
Coil	Special Copper Wire (H)
Core	Stainless Steel
Tube	Stainless Steel
Spring	Stainless Steel
Plug	NBR, Viton, Silicon
Diaphragm	NBR, Viton, Silicon

## DIMENSION

mm

MODEL	UW-10	UW-15	UW-20	UW-25	UW-35	UW-40	UW-50	
Conn. Pipe	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"	
L	70	70	73	93	125	125	167	
H	100	100	102	106	140	140	170	
D	50	50	50	50	58	58	58	
Weight/kg	0.9	0.9	1.0	1.8	3.2	3.5	5.4	

## SPECIFICATION and CHARACTER:

1. UW series is direct multiplex-drive, connected to diaphragm, open type.
2. Valve body made of forged brass or cast bronze.
3. UW can be operated directly without pressure difference.
4. Standard voltage: AC110V/AC220V/DC24V (50/60Hz)
5. AC Voltage tolerance:  $\pm 10\%$ . DC voltage tolerance:  $\pm 1\%$ .
6. Screwed end to: BSPT, NPT or BSP.
7. Other special AC/DC voltages can be made to client's order.
8. In case use for special fluid, please state the type of fluid with your order (such as gas, vacuum, diesel oil, gasoline).
9. In case fluid temperature must be range of  $130^{\circ}\text{C}$ , you may order Viton, Silicon materials.

## NOT FOR FLUID OF:

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

## CAUTION:

1. Pipes must be washed neat and clean before fitted.
2. A Y-STRAINER has to be installed in the front of solenoid valve, that is best for long life.
3. Before sales and installation, be sure what type of fluid, voltage, pressure, and fluid temperature used.

## ANALYSIS

MODEL	CONNECTION PIPE SIZE	CV	ORIFICE MM	FLUID TEMP. $^{\circ}\text{C}$	MAX. OPERATING PRESSURE DIFF. $\text{KG}/\text{CM}^2$				
					WATER	AIR	LIGHT OIL		
UW-10	3/8"	4.5	15	-5 ~ $80^{\circ}\text{C}$	0-5	0-7	0-5		
UW-15	1/2"	4.5	15	-5 ~ $80^{\circ}\text{C}$	0-5	0-7	0-5		
UW-20	3/4"	8.6	20	-5 ~ $80^{\circ}\text{C}$	0-5	0-7	0-5		
UW-25	1"	12	25	-5 ~ $80^{\circ}\text{C}$	0-5	0-7	0-5		
UW-35	1.1/4"	24	35	-5 ~ $80^{\circ}\text{C}$	0-5	0-7	0-5		
UW-40	1.1/2"	28	40	-5 ~ $80^{\circ}\text{C}$	0-5	0-7	0-5		
UW-50	2"	48	50	-5 ~ $80^{\circ}\text{C}$	0-5	0-7	0-5		

THE PRESSURE RATINGS INDICATED ABOVE ARE BASED ON AC110V/220V. THE MAXIMUM PRESSURE MAY VARY IN CASE ON DC/AC24V.  
 SPECIAL ORDER: AC380V, 415V, 440V, DC12V.