SOLENOID VALVES FOR REFRIGERANT [NORMALLY OPENED VALVE] / Type UEV

Type UEV-B

Type UEV-G

Type UEV-D

Click or scan here for the capacity table. ⇒

URL : https://saginomiya.co.jp/en/auto/pdf/uev_capacity.pdf

FEATURE

- Solenoid valves for fluorocarbon refrigerants. Also available for air.
- It can also be installed on vertical piping, simplifying the piping design.
- Drip-proof types are also available.

APPLICATIONS

- Condensing units
- Chillers
- Air conditioning systems, etc

COMMON SPECIFICATION

- Max. working pressure : 2.94 MPa
- Fluid Temperature : -40～120℃
- Ambient temperature : -30～40℃
- Normally Opened

DESCRIPTION OF CATALOG NO.

UEV − 15 06 B X F ＊ A 4 C
I　　II III IV V VI　　VII VIII IX

I	Type
II	Port Size
III	Connection tube O.D.
IV	Connection type
V	Pressure class
VI	Fluid
VII	Coil Power supply
VIII	Coil Voltage
IX	Coil Style

TYPE NUMBER SELECTION

Catalog No.					Port Size (mm)	Cv Value	Connection		O.P.D. (MPa)		Manual Opening Stem	＊2 Wt. (kg)
Type	Model	Fluid	Rated Voltage	Coil Style			Style	Connection size	Min.	Max.		
UEV	1004BX	F Various refrigerants ＊1 / A (Air) / C (others)	＊A1 (100V .AC) / ＊A2 (200V. AC) / ＊A3 (110V. AC) / ＊A4 (220V. AC) / ＊A7 (24V. AC) / ＊AB (240V. AC)	C (Lead Wire type) / W (Drip-proof terminal box type)	10	2.0	Flare	1/2"	0.007	1.96	without	0.7
	1205BX				12	3.5		5/8"				0.9
	1506BX				15	5.3		3/4"				1.3
	1003GX				10	2.0	Rc	3/8"				0.8
	1204GX				12	3.5		1/2"				1.1
	1506GX				15	5.3		3/4"				1.5
	2010GX				20	9.0		1"				1.7
	1004DX				10	2.0	Copper tube solder (ODF)	1/2"				0.6
	1205DX				12	3.5		5/8"				0.7
	1506DX				15	5.3		3/4"				0.9
	2007DX				20	9.0		7/8"				1.4
	2010DX							1"				
	2011DX							1-1/8"				

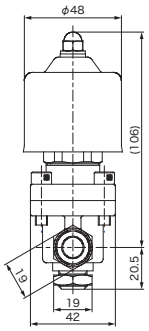
＊1　R134a, R404A (For other refrigerants, please contact us.)
＊2　Valve only (without coil)

SPECIFICATIONS OF COILS

Rated Voltage	Frequency (Hz)	Tolerance (%)	Voltampere (VA)		Power consumption (W)	Insulation Class	Coil Style	Wt. (kg)
			Running	Inrush				
24V.AC	50/60	+10 −15	17/14	45/35	8/7	Class B Molded	Lead Wire type	0.2
							Drip-proof terminal box type	0.5
100V.AC							Lead Wire type	0.2
							Drip-proof terminal box type	0.5
110V.AC							Lead Wire type	0.2
							Drip-proof terminal box type	0.5
200V.AC							Lead Wire type	0.2
							Drip-proof terminal box type	0.5
220V.AC							Lead Wire type	0.2
							Drip-proof terminal box type	0.5
240V.AC							Lead Wire type	0.2
							Drip-proof terminal box type	0.5

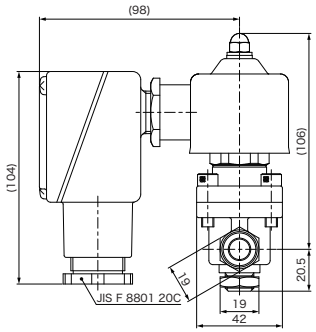
・Current (A) = Voltampere / Rated Voltage
・IP　Lead Wire type : IP67, Drip-proof terminal box type : IP34
・The standard specification of the coil style is the Lead wire type.
・Drip-proof terminal box type can be used indoors where water drops may fall.

SPECIFICATIONS OF COILS



(Type UEV-1004BX)

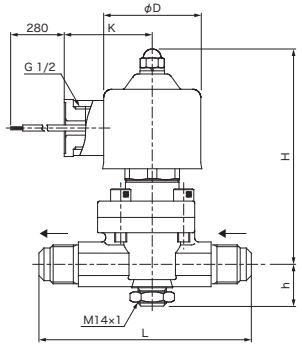
Lead Wire type
(IP67)



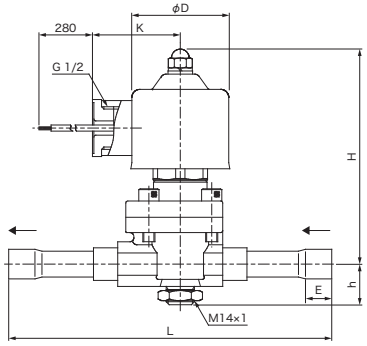
(Type UEV- 1004BX)

Drip-proof terminal box type
(IP34)

DIMENSIONS

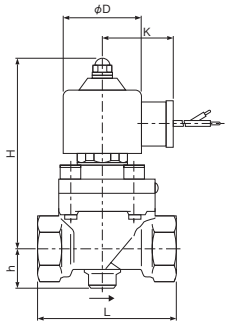


Type UEV-B



Type UEV-D

DIMENSIONS



Type UEV-G

Catalog No.		Unit : mm					
Type	Model	L	H	h	E	ϕD	K
UEV	1004BX	105	108	21	—	48	44
	1205BX	115	110	22			
	1506BX	135	116	25			
	1003GX	65	109	20			
	1204GX	75	112	21			
	1506GX	85	119	24			
	2010GX	100	133	33			
	1004DX	160	108	21	13		
	1205DX	180	110	22	16		
	1506DX	190	116	25	19		
	2007DX	230	132	29	20		
	2010DX						
	2011DX						

STANDARD ACCESSORY

- Flare Nut (only for flare connection model)