

SOLENOID VALVES FOR REFRIGERANT

Type REV & UEV

SAGINOMIYA

GENERAL DESCRIPTION

- Type REV: Pilot operated, 2-way, Normally closed valve.
Type UEV: Pilot operated, 2-way, Normally opened valve.
- For non-corrosive refrigerant (liquid or gas) in refrigeration, cooling, air conditioning systems.
- "Double plunger" construction provides reliable On/Off action.
- Compact molded coil commonly fits all valve sizes.
- Operates in any position ... can be conveniently located in horizontal or vertical line with coil on top.
- Manual Opening Stem ... On Flange connection models, supplied as standard. On Flare or Solder connection models, supplied upon request.



Type UEV-D



Type REV-D

SPECIFICATIONS

- Fluid temperature: -40 to 125°C (Type REV)
-40 to 120°C (Type UEV)
- Ambient temperature: -30 to 40°C

TYPE NUMBER SELECTION

Type REV – Normally closed valve (1)

Unit: MPa {kgf/cm²}

Type REV - Normally closed valve (1)										Unit: MPa (kg/cm ²)				
Catalog No.	Port Size (mm)	Cv Value	Connection			O.P.D.		Max. Working Pressure	Wt. (kg)					
			Copper Tube O.D.		Steel Tube O.D.	Style	Min.			Max.				
REV-703BXF	7	1.0	3/8"		—	Flare	0.007 {0.07}	2.45 {25}	2.94 {30}	0.6				
REV-1004BXF	10	2.0	1/2"							0.9				
REV-1205BXF	12	3.5	5/8"							1.1				
REV-1506BXF	15	5.3	3/4"							1.5				
REV-1003GXF	10	2.0	3/8"							1.0				
REV-1204GXF	12	3.5	1/2"							1.3				
REV-1506GXF	15	5.3	3/4"							1.7				
REV-703DXF	7	1.0	3/8"							0.5				
REV-1004DXF	10	2.0	1/2"							0.8				
REV-1205DXF	12	3.5	5/8"							0.9				
REV-1506DXF	15	5.3	3/4"			1.1								
REV-2007DXF	20	9.0	7/8"			Solder				0.007 {0.07}	2.45 {25}	2.94 {30}	1.6	
REV-2010DXF			1"											
REV-2011DXF			1-1/8"											
REV-2511DXF	25	13.8	1-1/8"										2.2	
REV-2512DXF			1-1/4"											
REV-2513DXF			1-3/8"											
REV-3213DXF			1-3/8"											
REV-3214DXF	32	19.4	1-1/2"										3.2	
REV-3215DXF			1-5/8"											
REV-2006EXF	20	9.0	7/8"	1-1/8"	3/4"		Flange	0.007 {0.07}	2.45 {25}				2.94 {30}	5.1
REV-2510EXF	25	13.8	1"	1-1/2"	1"	7.7								
REV-3212EXF	32	19.4	1-1/4"	1-5/8"	1-1/4"	8.9								
REV-4014EXF	40	32.0	1-1/2"	2"	1-1/2"	10.8								
REV-5020EXF	50	45.0	2"	2-1/2"	2"	16.3								
REV-6524EXF	65	74.0	2-1/2"	3"	2-1/2"	23.2								
REV-6530EXF			3"	3-1/2"	3"	26.6								

- Weight includes a coil.
- Enclosure IP34 (REV-W: Drip proof model)

TYPE NUMBER SELECTION

Type REV – Normally closed valve (2)

Unit: MPa {kgf/cm²}

Catalog No.	Port Size (mm)	Cv Value	Connection		O.P.D.		Max. Working Pressure	Wt. (kg)						
			Copper Tube O.D.	Style	Min.	Max.								
REV-703BYF	7	1.0	3/8"	Flare	0.007 {0.07}	2.45 {25}	4.2 {42}	0.6						
REV-1004BYF	10	2.0	1/2"					0.9						
REV-1205BYF	12	3.5	5/8"					1.1						
REV-1506BYF	15	5.3	3/4"					1.5						
REV-1003GYF	10	2.0	3/8"	Rc				0.007 {0.07}	2.45 {25}	4.2 {42}	1.0			
REV-1204GYF	12	3.5	1/2"								1.3			
REV-1506GYF	15	5.3	3/4"								1.7			
REV-703DYF	7	1.0	3/8"	Solder							0.007 {0.07}	2.45 {25}	4.2 {42}	0.5
REV-1004DYF	10	2.0	1/2"											0.8
REV-1205DYF	12	3.5	5/8"											0.9
REV-1506DYF	15	5.3	3/4"											1.1
REV-2007DYF	20	9.0	7/8"											1.6
REV-2010DYF			1"											
REV-2011DYF			1-1/8"											

- Weight includes a coil.
- Enclosure IP34 (REV-W: Drip proof model)

TYPE NUMBER SELECTION

Type UEV – Normally opened valve

Unit: MPa {kgf/cm²}

Catalog No.	Port Size (mm)	Cv Value	Connection		O.P.D.		Max. Working Pressure	Wt. (kg)						
			Copper Tube O.D.	Style	Min.	Max.								
UEV-1004BXF	10	2.0	1/2"	Flare	0.007 {0.07}	1.96 {20}	2.94 {30}	0.9						
UEV-1205BXF	12	3.5	5/8"					1.1						
UEV-1506BXF	15	5.3	3/4"					1.5						
UEV-1003GXF	10	2.0	3/8"	Rc				0.007 {0.07}	1.96 {20}	2.94 {30}	1.0			
UEV-1204GXF	12	3.5	1/2"								1.3			
UEV-1506GXF	15	5.3	3/4"								1.7			
UEV-2010GXF	20	9.0	1"	Solder							0.007 {0.07}	1.96 {20}	2.94 {30}	1.9
UEV-1004DXF	10	2.0	1/2"											0.8
UEV-1205DXF	12	3.5	5/8"											0.9
UEV-1506DXF	15	5.3	3/4"											1.1
UEV-2007DXF	20	9.0	7/8"											1.6
UEV-2010DXF			1"											
UEV-2011DXF			1-1/8"											

- Weight includes a coil.
- Enclosure IP34 (UEV-W: Drip proof model)

ELECTRICAL RATING OF SOLENOID COILS

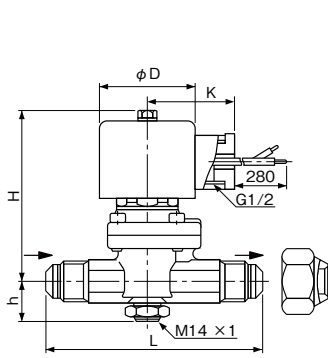
Type	Rated Voltage		Tolerance (%)	Voltampere (VA)		Power Consumption (W)	Insulation Class
				Running	Inrush		
REV	24V.AC, 100V.AC, 110V.AC 200V.AC, 220V.AC, 240V.AC	50/60Hz	+10 -15	17/14	43/35	8/7	* Class B Molded
	12V.DC, 24V.DC 48V.DC, 100V.DC	—	±10	—	—	10	
UEV	24V.AC, 100V.AC, 110V.AC 200V.AC, 220V.AC, 240V.AC	50/60Hz	+10 -15	17/14	43/35	8/7	

Current (A) = Voltampere / Rated Voltage

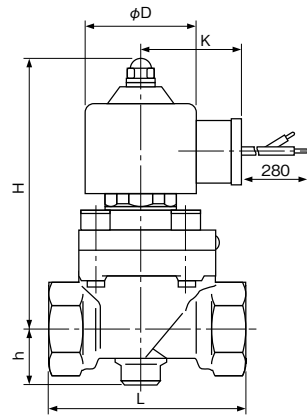
* IEC compliance

DIMENSIONS

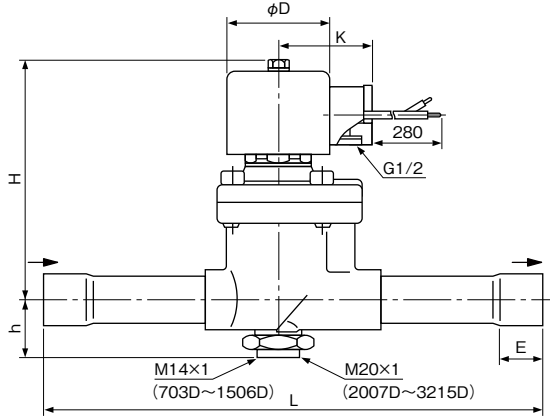
Type REV-B, UEV-BX



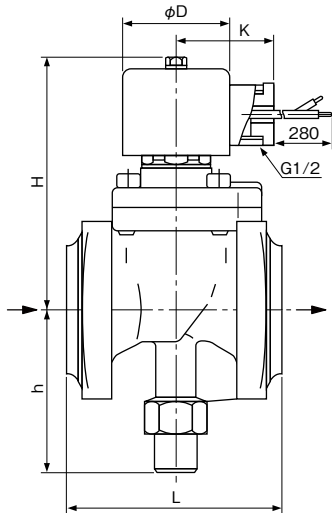
Type REV-G, UEV-GX



Type REV-D, UEV-DX



Type REV-EX



Unit: mm

Catalog No.		Unit: mm					
		L	H	h	E	ϕD	K
REV-	703BX [Y]	90	70 [73]	19	—	48	44
	1004BX [Y]	105	88 [90]	21			
	1205BX [Y]	115	90 [92]	22			
	1506BX [Y]	135	96 [99]	25			
	1003GX [Y]	65	89 [91]	20			
	1204GX [Y]	75	94 [96]	21			
	1506GX [Y]	85	99 [102]	24			
	703DX [Y]	150	70 [73]	19	10		
	1004DX [Y]	160	88 [90]	21	13		
	1205DX [Y]	180	90 [92]	22	16		
	1506DX [Y]	190	96 [99]	25	19		
	2007DX [Y]	230	112 [116]	29	20		
	2010DX [Y]						
	2011DX [Y]						
	2511DX	240	123	31	23		
	2512DX						
	2513DX						
	3213DX	260	126	35	26		
	3214DX						
	3215DX						
	2006EX	95	112	73	—		
	2510EX	110	123	78			
	3212EX	120	126	87			
	4014EX	130	133	92			
	5020EX	170	149	115			
	6524EX	200	169	129			
	6530EX	210					
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						