

ELECTRONIC EXPANSION VALVES / Type LKV



Type LKV-S



Type LKV-S
(Bent fittings)

High Volume OEM Item

Drawings must be exchanged for purchase.
Please contact SAGINOMIYA for more details.

Coil sold separately

FEATURES

- Minimizes refrigerant-flow-induced noise, making for a more pleasant indoor experience.
- Low valve leakage performance helps reduce water leakage or other problems.
- Stable flow characteristics enable it to quickly reach the target valve opening rate.
- Bi-flow operation.
- Standards : CE (ATEX) (Please contact us for details.)

COMMON SPECIFICATIONS

- Max. working pressure : 4.3 MPa
- Fluid temperature : -30 to 68°C
(It should be 50% or less on energizing ratio.)
- Ambient temperature : -30 to 70°C
(It should be 50% or less on energizing ratio.)
- Flow direction : Bi-flow
- Excitation method : 1-2 phase, Uni-polar

APPLICATIONS

- Packaged air conditioners
- VRF (Indoor unit), etc.

DESCRIPTION OF CATALOG NO.

LKV - S 13 D □ □
I II III IV

I	Type
II	Port size
III	Connection type
IV	Serial number

* Coil is not included with the valve body.
Please purchase it separately.

TYPE NUMBER SELECTION

Catalog No.	* 1 Refrigerant	Port size ϕ (mm)	Cv value	* 2 Connection (Solder) (mm)	* 3 Operation range pulse	B \rightarrow A M.O.P.D. (MPa)	A \rightarrow B Valve closing pressure (MPa)	A \rightarrow B Valve leakage ($\Delta P = 1.0$ MPa, Air) (cm ³ /min)	* 4 Wt. (kg)
LKV-S13D	R32 R134a R404A R407C R410A R448A R449A R407H	1.3	0.055	ϕ 7.94 OD	0 to 480	3.0	3.0 or less	150	0.06
LKV-S16D		1.6	0.085						
LKV-S19D		1.9	0.12						
LKV-S23D		2.3	0.18						
LKV-S26D		2.6	0.22						
LKV-S29D		2.9	0.26						
LKV-S32D		3.2	0.32						

- * 1 For other refrigerants, please contact us.
- * 2 Connection A and B are the same size.
- * 3 Also operational with 0 to 500 pulse. Please contact us for details.
- * 4 Valve only. (without coil)

TYPE NUMBER SELECTION

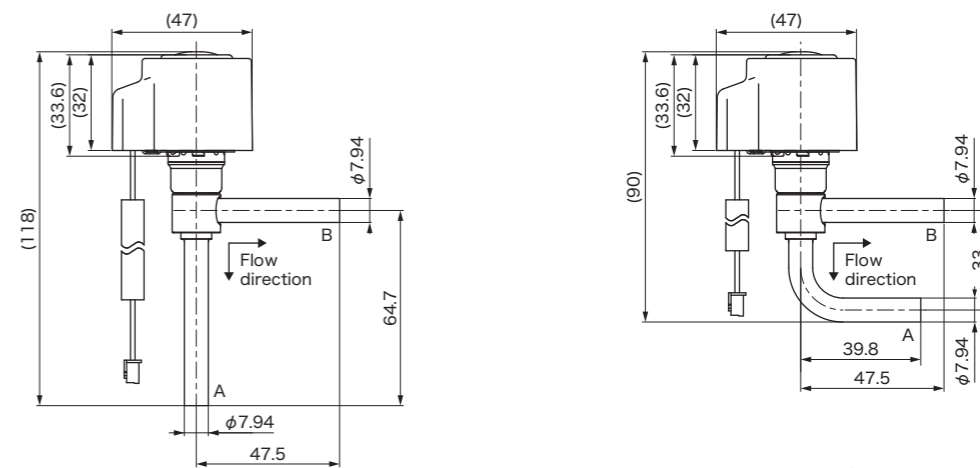
Catalog No.	Capacity (U.S.R.T.) (kW)							
	CT 38°C / ET 5°C / SC 0K / SH 0K							
	R32	R134a	R404A	R407C	R410A	R448A	R449A	R407H
LKV-S13D	2.8 {9.8}	1.3 {4.4}	1.1 {4.0}	1.7 {5.8}	1.9 {6.7}	1.7 {5.8}	1.6 {5.6}	1.9 {6.7}
LKV-S16D	4.3 {15.2}	1.9 {6.8}	1.8 {6.2}	2.6 {9.0}	2.9 {10.3}	2.6 {9.0}	2.5 {8.6}	2.9 {10.3}
LKV-S19D	6.1 {21.4}	2.7 {9.7}	2.5 {8.7}	3.6 {12.7}	4.1 {14.5}	3.6 {12.7}	3.5 {12.2}	4.2 {14.6}
LKV-S23D	9.1 {32.1}	4.1 {14.5}	3.7 {13.1}	5.4 {19.0}	6.2 {21.8}	5.4 {19.0}	5.2 {18.3}	6.2 {21.9}
LKV-S26D	11.2 {39.2}	5.0 {17.7}	4.5 {16.0}	6.6 {23.3}	7.6 {26.6}	6.6 {23.2}	6.4 {22.4}	7.6 {26.8}
LKV-S29D	13.2 {46.3}	6.0 {20.9}	5.4 {18.9}	7.8 {27.5}	9.0 {31.5}	7.8 {27.5}	7.5 {26.4}	9.0 {31.7}
LKV-S32D	16.2 {57.0}	7.3 {25.8}	6.6 {23.2}	9.6 {33.8}	11.0 {38.7}	9.6 {33.8}	9.3 {32.5}	11.1 {39.0}

COIL SPECIFICATIONS

Catalog No. (Coil)	Rated voltage	Current	* 1 Insulation class	Enclosure	* 2 Wt. (kg)
KVC-1A□□□	12V.DC \pm 10%	0.26A / Phase (20°C)	Class E molded	IP66	0.12

- * 1 Compliant with IEC60085, 60335-2-40.
- * 2 For lead wire length of 1000mm.

DIMENSIONS



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Unit : mm

FLOW CHARACTERISTICS

