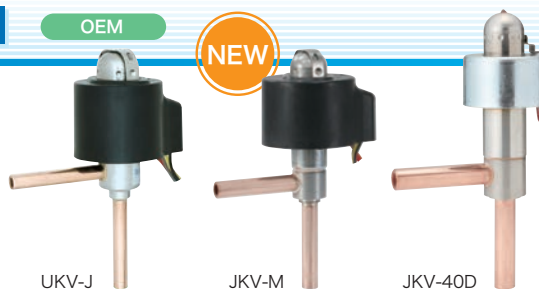


MOTOR OPERATED VALVES

Type UKV-J/JKV

OEM

NEW



FEATURES

- M.O.P.D. 10.0MPa
- Compact and light weight
- Energy-saving design

COMMON SPECIFICATIONS

- Max. working pressure: 15.0MPa
- Fluid temperature: −30 to 70°C (Standard coils*¹)
−40 to 60°C (Coils for low temperatures*¹ *²)
- Ambient temperature: −30 to 70°C (Standard coils*¹)
−50 to 60°C (Coils for low temperatures*¹ *²)

*¹ It should be 50% or less on energizing ratio.

*² Available for UKV-J (12/24V.DC) and JKV-40D (12V.DC).

- Flow direction:
B → A (Single direction)
(Bi-flow model also available for type JKV-M. Please contact us for details.)
- Excitation method: 1-2 phase, uni-polar
- Standards: UL (UKV-J)

SPECIFICATIONS

Catalog no.	Port size ϕ (mm)	Type	Cv value	Capacity (kW)		Connection type* ³ (Copper tube solder) (mm)	O.P.D. (MPa)	Max. working pressure (MPa)	Weight* ⁴ (kg)		
				R744 (CO ₂)* ¹	R744 (CO ₂)* ²						
UKV-J08D	0.8	Close	0.015	2.8	3.7	ϕ 6.35 OD	0 to 10.0	15.0	0.05		
UKV-J10D	1.0		0.025	4.6	6.1						
UKV-J14D	1.4		0.056	10.3	13.7						
		Open	0.067	12.3	16.3						
JKV-M20D	2.0	Close / Open	0.12	21.9	29	ϕ 7.94 OD					0.08
JKV-M24D	2.4		0.17	30.7	40.7						
JKV-40D	4.0	Close	0.49	90.1	119.5	ϕ 12.7 OD					0.3

*¹ Condensing temp.: −5°C, Evaporating temp.: −25°C, Subcooling: 0°C, Superheat: 0°C

*² Gas cooler inlet temp.: 70°C, Gas cooler outlet temp.: 22°C, Evaporating temp.: 6°C, Superheat: 0°C

*³ Connection A and B are the same size.

*⁴ Valve only (without coil).

COIL SPECIFICATIONS

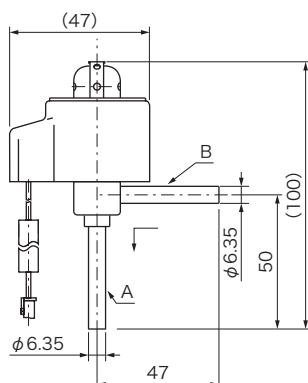
Catalog no.	Compatible valve body no.	Rated voltage	Current	Insulation class* ¹	Enclosure	Weight* ² (kg)
UKV-A□□□	UKV-J08D, J10D, J14D	12V.DC±10%	0.26A/Phase (20°C)	Class E molded	IP66	0.13
UKV-D□□□		24V.DC±10%	0.13A/Phase (20°C)			
KVC-0H□□□	JKV-M20D, M24D	12V.DC±10%	0.38A/Phase (20°C)		IP56	0.18
VKV-MOZS□□□	JKV-40D	12V.DC±10%	0.38A/Phase (20°C)			0.17
		24V.DC±10%	0.21A/Phase (20°C)			

*¹ Compliant with IEC60085, 60335-2-40.

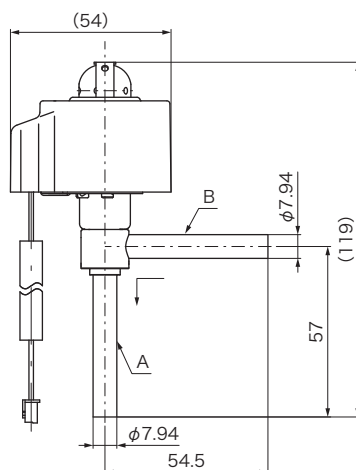
*² For lead wire length of 1000mm (UKV-A, D and KVC-0H) / 500mm (VKV-MOZS).

DIMENSIONS

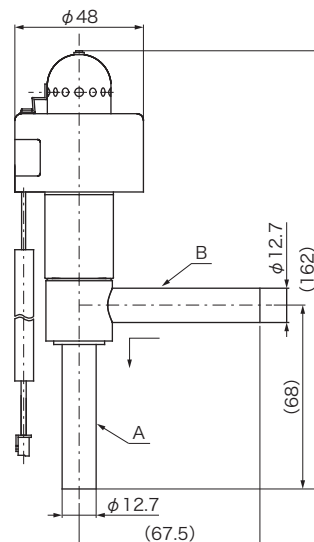
UKV-J



JKV-M20, 24D



JKV-40D



Unit: mm