

ELECTRONIC EXPANSION VALVES

Type **Type VKV** (Hot gas)

High Volume OEM Item

Application : Wide range of air conditioning and refrigeration equipment

Refrigerant : R134a, R404A, R407C, R410A

- Application of hot gas bypass
- Wide range fluid temperature: -22 to 248°F
- Quick response
- UL Recognized



SAGInoMIYA

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SPECIFICATIONS

Max. working pressure: 609 psi [4.2 MPa]

Valve operating pulse range: 0 to 480 pulse, 1–2 phase excitation.

Fluid temperature: -22 to 248°F [-30 to 120°C]

Ambient temperature: -22 to 140°F [-30 to 60°C]

TYPE NUMBER SELECTION

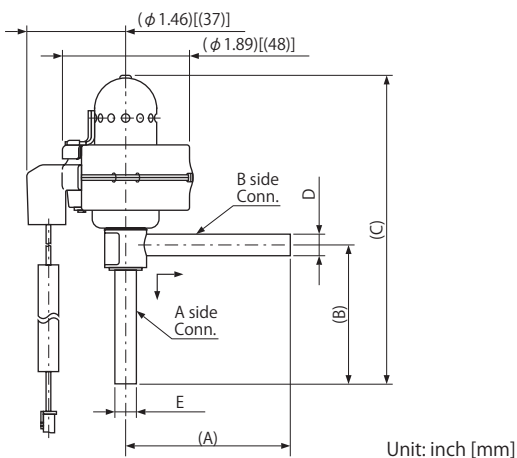
Type VKV - Hot gas

Catalog No.	Port Size (ϕ inch [mm])	Cv Value	Connection (Solder) (inch [mm])		Operating Pressure Differential B to A flow direction (psi [MPa])	Valve shut presson, A to B flow direction (psi [MPa])	Wt. (lb [kg])
			B side	A side			
VKV-14D	0.06 [1.4]	0.05	ϕ 5/16 [7.94] OD	ϕ 5/16 [7.94] OD	0 to 508 [0 to 3.5]	406 [2.8] or less	0.24 [0.11]
VKV-18D	0.07 [1.8]	0.10				348 [2.4] or less	
VKV-25D	0.10 [2.5]	0.18				319 [2.2] or less	0.29 [0.13]
VKV-30D	0.12 [3.0]	0.25	ϕ 3/8 [9.52] OD	ϕ 1/2 [12.7] OD	0 to 363 [0 to 2.5]	218 [1.5] or less	
VKV-32D	0.13 [3.2]	0.28				145 [1.0] or less	0.33 [0.15]

Coil

Rated Voltage & Current	Wt.(lb [kg])
12V.DC...260mA/Phase	0.33 [0.15]
24V.DC...130mA/Phase	

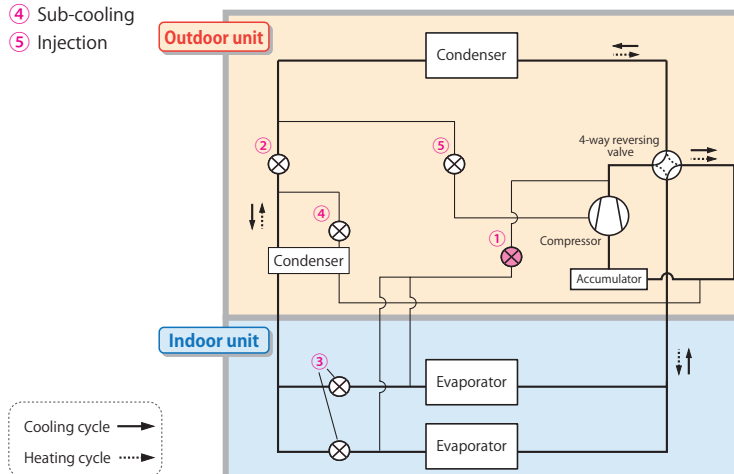
DIMENSIONS



Catalog No.	A	B	C	D	E
VKV-14D	2.52 [64]	1.93 [49]	4.41 [112]	ϕ 5/16 [7.94]	
VKV-18D					
VKV-25D					
VKV-30D					
VKV-32D	2.60 [66]	2.52 [64]	130 [130]	ϕ 3/8 [9.52]	ϕ 1/2 [12.7]

APPLICATION EXAMPLE

- Hot gas bypass
- Outdoor expansion valve
- Indoor expansion valve
- Sub-cooling
- Injection



NOTES FOR SAFETY

Failure to read and follow all instruction carefully before installing or operating the product could cause personal injury and/or property damage.

Specifications are subject to change without notice.

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