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Electrically Operated Valves

AKV Electric Expansion Valves, For Fluorinated Refrigerants

AKV 10



AKV 10

068F1177

Tolerance of coil voltage: +10 / -15%.

Enclosure to IEC 529: Max. IP 67.

Working principle: PWM (Pulse-width modulation).

Recommended period of time: 6 Seconds.

Capacity (R22): 1- 16 kW.

Regulation range (Capacity range): 10 - 100%.

Connection type: Solder.

Evaporating temperature: -60- +60°C.

Ambient temperature: -50- +50°C.

Leak of valve seat: <0.02% of Kv value.

MOPD: 18 bar.

Filter, exchangeable: Internal 100 µm.
Max. working pressure: 42 bar g.



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Product specifications (49)



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TYPE CODE	AKV 10-6
WEIGHT	0.274 Kg
ACTUATOR SYSTEM	13,5 mm
AMBIENT TEMP.	-50 - 50 °C
AMBIENT TEMP. RANGE	-58 - 120 °F
APPROVAL	EAC
APPROVAL	LLC CDC TYSK
COIL	No
CV VALUE	0,132 gpm US
DIRECTION	Angleway
FUNCTION	NC
INLET TYPE	SOLDER, ODF
INLET SIZE	10,00 mm
KV VALUE	0,114 m3/h
MAN. OPERAT.	No
MWP	52,0 bar

MWP	754 psig
MAX. OPD, 10W AC	18 bar
MAX. OPD, 10W AC	260 psi
MEDIUM TEMP.	-50 - 60 °C
MEDIUM TEMP.	-58 - 140 °F
MIN. ODP	0,000 bar
MIN. OPD	0,000 psi
MOPD	18 bar
ORIFICE SIZE	1,70 mm
OUTLET TYPE	SOLDER, ODF
OUTLET SIZE	12,00 mm
PACK FORMAT	Multi pack
PROD. GROUP	Expansion valves
PROD. NAME	Electric Expansion Valve
PACK QTY.	18 pc
RATED CAP. R22	10,00 kW
REFRIGERANT	R134a
REFRIGERANT	R22/R407C
REFRIGERANT	R23
REFRIGERANT	R404A/R507
REFRIGERANT	R407A
REFRIGERANT	R407F
REFRIGERANT	R410A
REFRIGERANT	R422B
REFRIGERANT	R422D
REFRIGERANT	R448A

REFRIGERANT	R449A
REFRIGERANT	R449B
REFRIGERANT	R450A
REFRIGERANT	R452A
REFRIGERANT	R513A
REFRIGERANT	R744
TYPE DESIGN.	Electric Expansion Valve