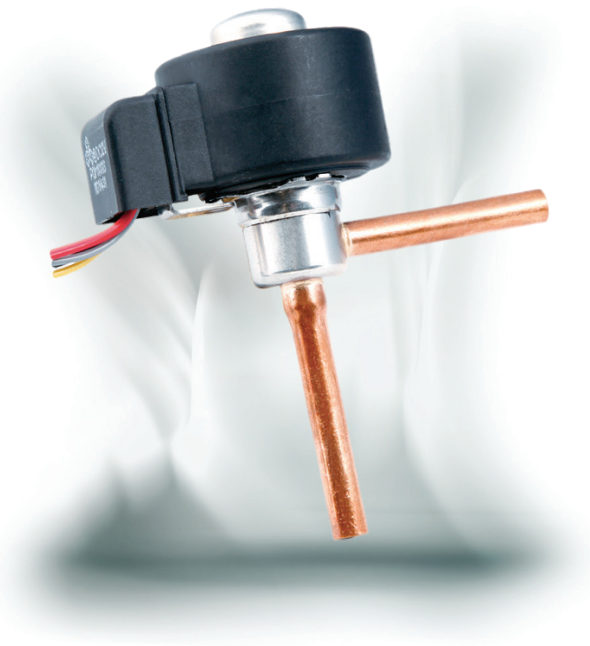




Electronic Expansion Valve

R series electronic expansion valve are mainly used in air conditioning systems with variable refrigerant flow to realize automatic adjustment of refrigerant flow rate and make the air conditioning system work under the best working condition for the purpose of fast cooling, precise temperature control and power saving. These valves can also be used for other controls. These valves are reversible which can automatically control the flow of refrigerant in either heating or cooling mode.



FEATURES

- APPLICABLE FOR OIL-FREE COOLING SYSTEM
- SMALLER INSTALLATION SPACE: LOW HEIGHT, SMALL VOLUME AND LIGHT WEIGHT
- WIDER APPLICABILITY FOR ELIMINATING SYSTEM REFRIGERANT NOISE: WITH OPTIMIZED FLOW PATH DESIGN
- OUTER ENCAPSULATION COIL STRUCTURE: BETTER CORROSION RESISTANCE

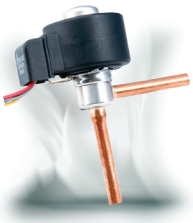
GENERAL SPECIFICATIONS

- Applicable refrigerant: R744(CO₂)
- Applicable medium temperature: -30°C ~ 80°C (electrified rate below 40%)
- Applicable ambient temperature: -30°C ~ 60°C (electrified rate below 40%)
- Relative humidity: below 95% RH
- Installation mode: Coil upwards, central axis of valve rotor within ±15° vertical to horizontal surface.
- Direction of Medium: one direction from horizontal tube to Vertical tube

ELECTRICAL PARAMETERS

- Rated voltage: DC12V (±10%), rectangular wave
- Actuating mode: 4-phase 8-step permanent magnet stepping motor of direct-operated type
- Excitation mode: 1-2 phase excitation, monopole actuation
- Excitation rate: 30~90PPS (the ending excitation mode maintains 0.1~1.0s)
- Current of coil: 260mA/phase(20°C)
- Resistance of coil: 46±3.7Ω/phase(20°C)
- Insulation grade of coil: E



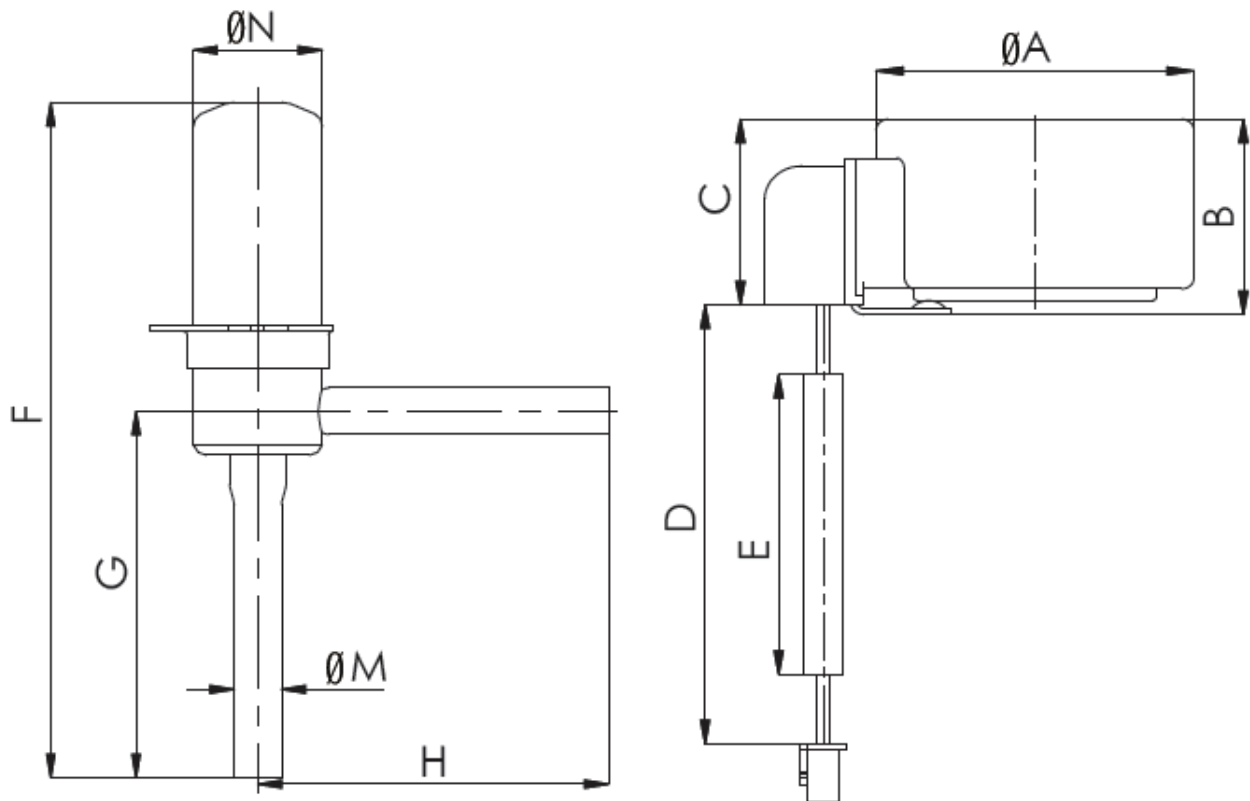


SANHUA R SERIES Electronic Expansion Valve

TECHNICAL PARAMETERS

Model	Port mm	R744 Nominal Capacity		Full Open Pulse	Opening Pulse	Max. Operation Pressure Difference MPa	Internal Leakage ml/min	Max. Working Pressure MPa
		kW	US.R.T					
DPF(R04)1.5D	1.5	4.5	1.3	500	32 ± 20	10	≤600	14

DIMENSIONS



Port mm	Code of the Coil Series	Dimensions (mm)									
		A	B	C	D	E	F	G	H	M	N
1.5	M10	38.5	26.4	25.6	700	600	92	50	47	6.35	17.3