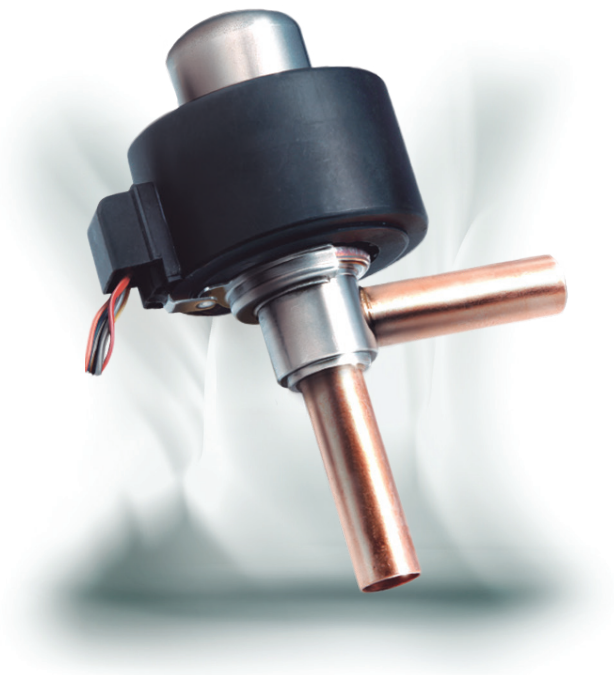




Electronic Expansion Valve

T/S series electronic expansion valves are designed for usage in air conditioning and refrigeration systems or in heat pumps. The valve supports automatic adjustment of refrigerant flow rate and makes the system work under optimized conditions for the purpose of fast cooling or heating, precise temperature control and energy saving. The valve can also be used e.g. for suction line pressure controls. These valves provide bidirectional operation to control the refrigerant flow rate in heating or cooling mode.



FEATURES

- APPLICABLE FOR OIL-FREE SYSTEM (T SERIES)
- SMALLER INSTALLATION SPACE: LOW HEIGHT, SMALL VOLUME, LIGHT WEIGHT
- OPTIMIZED FLOW PATH DESIGN FOR NOISE REDUCTION
- FAST OPERATION, ENERGY SAVING
- APPLICABLE FOR REVERSIBLE SYSTEMS LIKE HEAT PUMPS: BIDIRECTIONAL FLOW

GENERAL SPECIFICATIONS

- Applicable refrigerants: R22, R134A, R404A, R407C, R410A etc.
- Cooling Capacity: 3,5 to 105 kW (R22 Nominal Capacity)
- Medium temperature: -30°C to +70°C (duty cycle rate below 50%)
- Ambient temperature: -30°C to +60°C (duty cycle rate below 50%)
- Relative humidity: below 95% RH
- Installation position: Coil upwards, valve rotor central axis within +/-15° versus vertical axis
- 500 steps (full stroke); 32 ± 20 opening steps

PARÁMETROS ELÉCTRICOS

- Voltaje: 12V DC(+/- 10%), rectangular wave
- Actuating mode: 4-phase 8-step permanent magnet stepping motor of direct-acting type
- Excitation mode: 1 ~ 2 phase excitation, monopole actuation
- Excitation rate: 30 to 90pps (Maintain excitation in stop position min. 0.1~1.0sec. to activate self-holding mechanism.)
- Corriente de bobina: 260mA/phase (20°C)
- Resistencia de bobina: 46 +/- 3.7 Ω/phase (20°C)
- Aislamiento de bobina clase: E
- Protección : IP 66





SANHUA SERIES DPF-T/S Electronic Expansion Valve

CARACTERÍSTICAS GENERALES

Modelo	Part Number	Asiento ϕ (mm)	Kv (m³/h)	Capacidad Nominal Enfriamiento (kW)					MOP Max. Oper. Press. (MPa)	MOPD Direct (MPa)	MOPD Rev. (MPa)
				R22	R134a	R407C	R404A R507	R410A			
DPF(T01)1.3C-07	DPF-09001	1,3	0,05	3,5	2,7	3,5	2,5	4,2	4,2	3,43	≥2.1
DPF(T01)1.65C-05	DPF-09002	1,65	0,08	5,3	4,1	5,3	3,7	6,36			
DPF(T01)1.8C-08	DPF-09003	1,8	0,1	7	5,4	7	4,9	8,4			
DPF(T01)2.0C-03	DPF-09004	2	0,16	8,75	6,7	8,75	6,1	10,5			
DPF(T01)2.2C-01	DPF-09005	2,2	0,2	10,5	8,1	10,5	7,4	12,6			
DPF(T01)2.4C-01	DPF-09006	2,4	0,23	17,5	13,5	17,5	12,3	21			
DPF(TS1)3.0C-01	DPF-09007	3	0,39	21	16,2	21	14,7	25,2		3,43	≥1.47
DPF(TS1)3.2C-01	DPF-09008	3,2	0,43	28	21,6	28	19,6	33,6			
DPF(S03)4.0C-01	DPF-09010	4	0,5	42	32,3	42	29,4	50,4			
DPF(S03)4.5C-01	DPF-09011	4,5	0,7	52,5	40,4	52,5	36,8	63		3	≥0.7
DPF(S03)5.5C-01	DPF-09012	5,5	0,9	70	53,9	70	49,0	84			
DPF(S03)6.5C-02	DPF-09013	6,5	1,1	105	80,9	105	73,5	126			

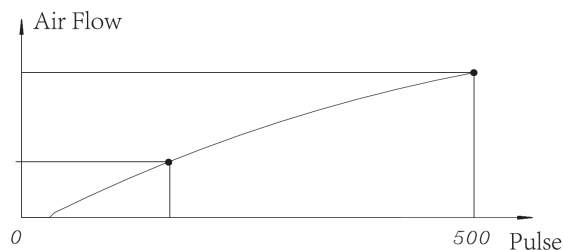
(*) **Condiciones nominales de trabajo:** Temperatura de condensación: 38°C; Temperatura de evaporación: 5°C; Sub cooling OK; Superheating OK



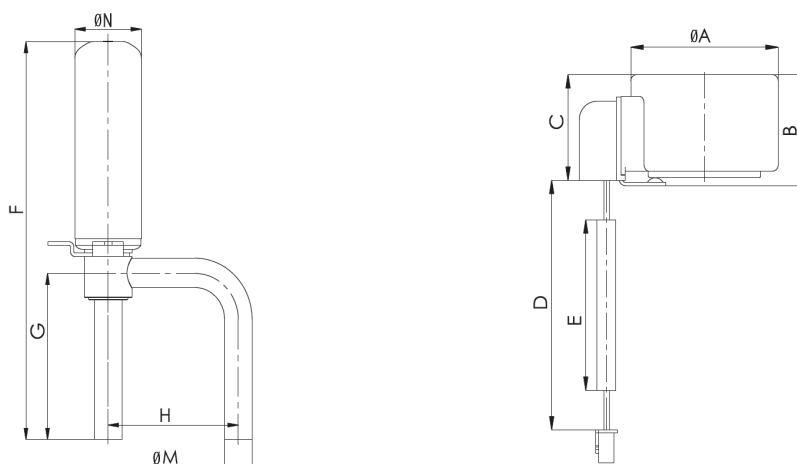


SANHUA DPF-T/S SERIES Electronic Expansion Valve

CARACTERÍSTICA DE FLUJO



DIMENSIONES



Modelo Válvula	Bobinas - Módulo	Dimensiones (mm)					Part No.
		A	B	C	D	E	
DPF(T01)1.3C-07 a DPF(TS1)3.2C-01	PQ-M10012-000001	38,5	26,4	25,6	700	600	DPF-58001
DPF(S03)4.0C-01 a DPF(S03)6.5C-02	PQ-M03012-000001	67,5	42,4	33	700	600	DPF-58002

(*) **Condiciones nominales de trabajo:** Temperatura de condensación: 38°C; Temperatura de evaporación: 5°C; Sub cooling OK; Superheating OK

Modelo Válvula	Serie Bobina	Dimensiones (mm)				
		F	G	H	M	N
DPF(T01)1.3C-07 a DPF(T01)2.4C-01	PQ-M10	78	36	30	6,35	17,3
DPF(TS1)3.0C-01 a DPF(TS1)3.2C-01	PQ-M10	82	40	30	7,94	17,3
DPF(S03)4.0C-01 a DPF(S03)6.5C-02	PQ-M03	148	64,7	63,4	15,88	35,3



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