2 out of 3 AC units are equipped

with a SANHUA reversing valve

ADVANCED
Technology & Solutions

- ✓ *Improves efficiency by 5%*
- ✓ *SHF series 1kW to 420 kW*
- ✓ *Widest range in the market with Single Body Design*

YEARLY SANHUA SUPPLIES OVER 50 MILLION FOUR WAY REVERSING VALVES TO THE COMMERCIAL AND RESIDENTIAL HVAC INDUSTRY WORLDWIDE

Electronic Expansion Valve

REFRIGERANT
R22, R134a, R404A, R407C, R410A, R507A

LARGE TEMPERATURE SERVICE RANGE
-30°C to + 70°C (duty cycle below 50%)

PS
45 bar

COIL PROTECTION
IP 66. Insulation Class E

CERTIFIED
DECLARATION OF CONFORMITY:
Pressure Equipment Directive 97/23/EC

DPF-T/S SERIES

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.

Part Number	Nominal Cooling Capacity (kW)					Kv m³/h
	R22	R134a	R407C	R404A R507A	R410A	
DPF-09001	3,5	2,7	3,5	2,5	4,2	0,05
DPF-09002	5,3	4,1	5,3	3,7	6,36	0,08
DPF-09003	7	5,4	7	4,9	8,4	0,1
DPF-09004	8,8	6,7	8,75	6,1	10,5	0,16
DPF-09005	11	8,1	10,5	7,4	12,6	0,2
DPF-09006	18	13,5	17,5	12,3	21	0,23
DPF-09007	21	16,2	21	14,7	25,2	0,39
DPF-09008	28	21,6	28	19,6	33,6	0,43
DPF-09010	42	32,3	42	29,4	50,4	0,5
DPF-09011	53	40,4	52,5	36,8	63	0,7
DPF-09012	70	53,9	70	49,0	84	0,9
DPF-09013	105	80,9	105	73,5	126	1,1

COIL

Part Number
DPF-58001
DPF-58002

CE RoHS

Electronic Expansion Valve

REFRIGERANT
R22, R134a, R404A, R407A, R407C, R407F, R410A, R507A ...

COOLING CAPACITY:
112 to 892 kW (R134a nominal capacity)

UP TO 3800 STEPS (FULL STROKE);
Valve starts opening with 110 steps (VPF25) and 165 steps (VPF50...250)

MEDIUM TEMPERATURE TS MIN./MAX.:
-40°C / +70°C (duty cycle rate below 50%)

CERTIFIED
DECLARATION OF CONFORMITY:
Pressure Equipment Directive 97/23/EC

VPF SERIES

VPF series electronic expansion valves are designed for commercial and industrial applications. Typical VPF applications are air conditioning and refrigeration systems or heat pumps. The valve controls the 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.

COOLING CAPACITIES

Model	Steps Completely Open	Nominal Cooling Capacity[1] (kW)						
		R22	R134a	R407A[2]	R407C[2]	R407F[2]	R404A R507A	R410A
VPF 25	2600	143	112	144	153	163	105	171
VPF 50	2600	287	226	289	307	328	210	343
VPF 100	3500	406	319	409	435	463	298	485
VPF 150	3800	730	574	736	782	833	535	872
VPF 250	3800	1133	892	1143	1215	1294	832	1354

Model	Steps Completely Open	Nominal Cooling Capacity[1] (USRT)						
		R22	R134a	R407A[2]	R407C[2]	R407F[2]	R404A R507A	R410A
VPF 25	2600	41	32	41	44	46	30	49
VPF 50	2600	82	64	82	87	93	60	97
VPF 100	3500	115	91	116	124	132	85	138
VPF 150	3800	207	163	209	222	237	152	248
VPF 250	3800	322	254	325	345	368	236	385

Note:
1) Nominal working conditions: Condensing temperature 38°C; evaporating temperature +4,4°C; liquid temperature 37°C
2) Data based on dew point conditions

Please visit our website www.sanhuaeurope.com and link to the technical information section to find the complete information of every product.