SANHUA'S OFFER FOR REFRIGERATION APPLICATIONS





SANHUA

"Strive for perfection, Pursuit of excellence"

Sanhua is a leading HVAC&R manufacturer of controls and components with a global footprint and 30 years of experience.

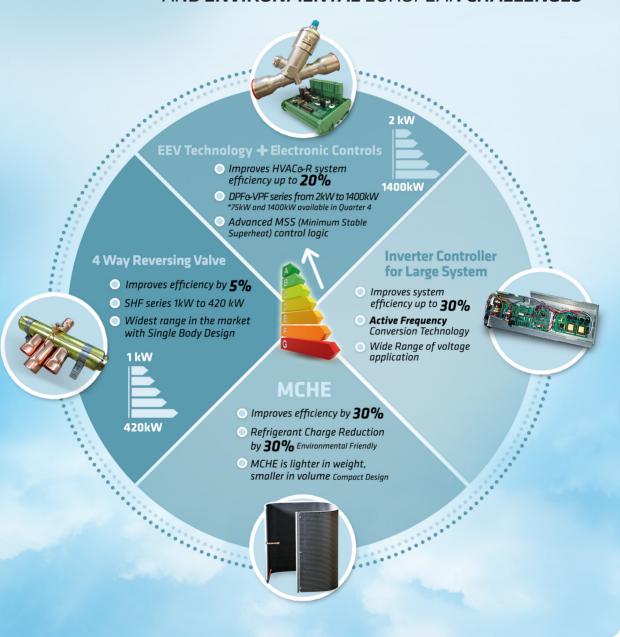
Our co-operation with the largest companies in the Automotive,

Appliance and HVAC&R industry makes Sanhua a leading worldwide OEM supplier providing the highest quality components at the most competitive price.



SANHUA YOUR ROAD MAP TO THE ECO-DESIGN DIRECTIVE*

KEEPS YOU ONE STEP AHEAD OF THE COMING **EFFICIENCY**AND **ENVIRONMENTAL** EUROPEAN **CHALLENGES**



ADVANCED Technology & Solutions





PRODUCTS FOR **REFRIGERATION**

Components suitable

for installation on

refrigeration units
Using HFC refrigerants

MICRO CHANNEL HEAT EXCHANGERS

MAIN FEATURES

- Maximum working pressure 4.5Mpa
- Available as both, evaporator and condenser
- High efficiency
- Reducing refrigerant charge



AWECO ROTARY COMPRESSORS

MAIN FEATURES

- High efficient rotary compressors
- Wide portfolio range



ELECTRONIC EXPANSION VALVES

(DPF-T SERIES)

MAIN FEATURES

- Step valves for accurate refrigerant flow control
- 500steps (full stroke) Unipolar with 12V DC Rated Voltage
- Capacity range (3,3 kW to 73,5 kW with R404A)



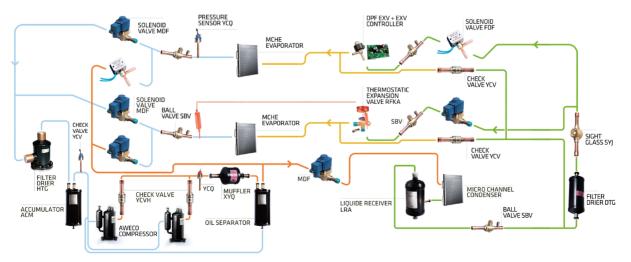
THERMOSTATIC EXPANSION VALVE

(RFKH SERIES)

MAIN FEATURES

- Ready for R448A, R449A, R452A
- Coming soon for R450A, R513A
- Stainless steel capillary and sensing bulb
- Capacity range (1 kW to 24 kW with R410A)
- Thermal bulb utilizes cross charge technology, providing consistent superheat degree over the whole evaporation temperature range

Commercial Refrigeration Application Solutions



PRODUCTS FOR **REFRIGERATION**

THERMOSTATIC EXPANSION VALVE (RFGB SERIES)

MAIN FEATURES

- Fixed orifices
- Available with angle shape and fixed super-heating or with straight shape and adjustable super-heating
- Capacity range (1,2 kW to 7,5 kW with R404A)



SOLENOID VALVES

(MDF, FDF, HDF SERIES)

MAIN FEATURES

- Available range: connections size from 6mm to 54mm (1/4" to 2 1/8")
- New HDF series with piston actuation (Temp. limits: -40°C / +140°C)



PRESSURE SENSOR (YCQ SERIES)

MAIN FEATURES

- Total accuracy of +/- 2%FS (-30 oC to + 120oC)
- Total accuracy of +/- 0,8%FS (-40 oC to + 40oC)
- High pressure variant up to 5 Mpa and low up to 2 Mpa



ELECTRONIC EXPANSION VALVE (VPF SERIES)

MAIN FEATURES

- Energy saving thanks to very precise capacity control: up to 3800 steps
- Corrosion resistant design, long lifetime, high reliability
- Models with integrated sight glass are available



THERMOSTATIC EXPANSION VALVE (RFGD SERIES)

- Fixed orifices
- Straight shape and adjustable super-heating
- Capacity range (7,0 kW to 27,4 kW with R404A)





PRODUCTS FOR REFRIGERATION

Components suitable for installation on refrigeration units Using HFC refrigerants

PISTON CHECK VALVES

(YCV SERIES) – STRAIGHT / ANGLE VERSION

MAIN FEATURES

- Piston Type check valves
- Straight type: connection size from 6mm to 22mm (1/4" to 7/8")
- Angle type: connection size from 22mm to 42mm (7/8" to 15/8")



FILTER DRIERS (HTG SERIES)

MAIN FEATURES

- Available with 100% desiccant or 80% desiccant + 20% alumina
- Available with Burn Out core and Mechanical strainer
- Available range: connection size from 16 mm to 54 mm (from 5/8" to 2 5/8"); for 1;2;3;4 replaceble cores



BALL VALVES (SBV SERIES)

MAIN FEATURES

- Models with or without access fitting
- Available range: connection size from 6mm to 108mm (1/4" to 4 1/4")



FILTER DRIERS (DTG SERIES)

MAIN FEATURES

- Available with 100% desiccant or 80% desiccant + 20% alumina
- Available range: connection size from 6 mm to 28 mm (1/4" to 11/8"). Solder or flare connections



SIGHT GLASSES (SYJ SERIES)

- High precision color indicator
- Available range: connection size from 6mm to 22mm (1/4" to 7/8")





SANHUA'S GREAT STEP TOWARDS

GREEN TECH LINE R290, R1270, R600A ...

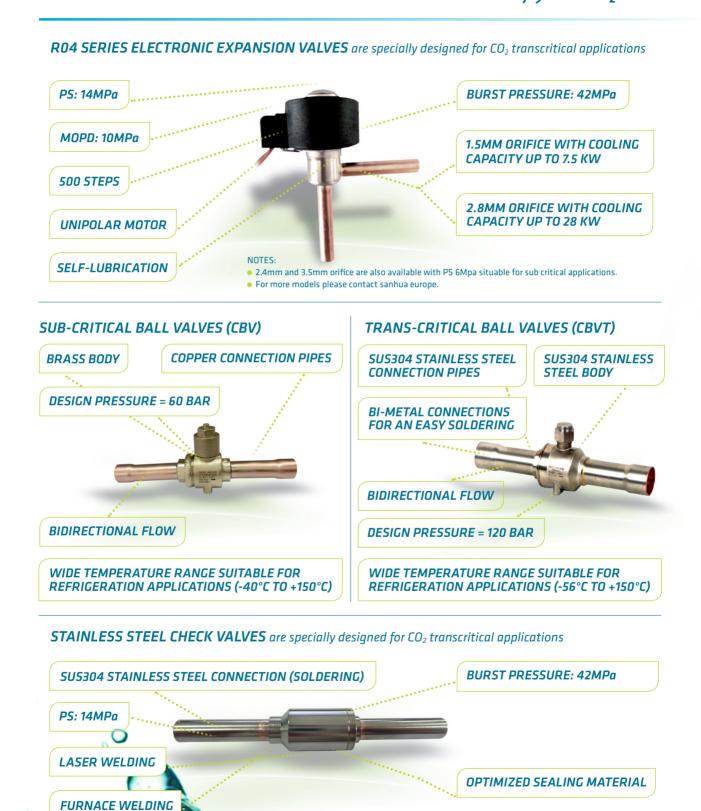


AVAILABLE ALSO FOR ATEX ZONE



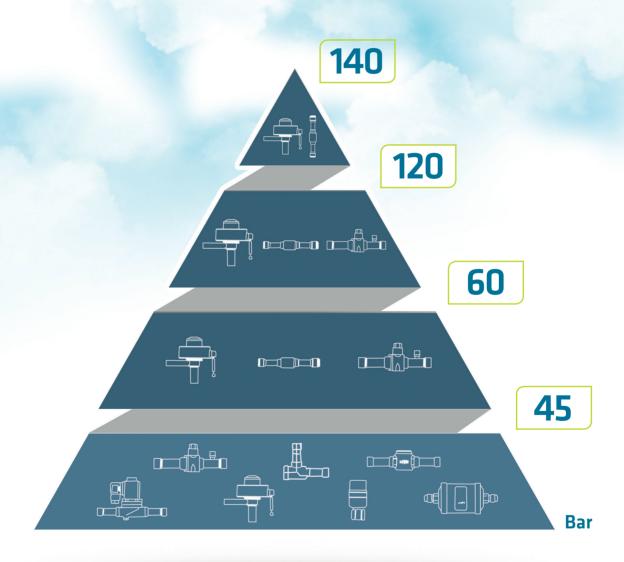
GREEN TECH LINE R744 LINE

Regardless sub critical or transcritical applications Please let SANHUA take care of your CO₂









Note: Conditions could change without previous notice due to components updating or typing mistakes.

Sanhua declines any responsibility for a wrong product choice based on this table. Please make sure all your requirements are covered in our suggestion.



GREEN TECH LINE **R290, R1270, R600**

Components suitable for applications with flammable refrigerants available also for ATEX zone

MICRO CHANNEL HEAT EXCHANGERS

MAIN FEATURES

- Maximum working pressure 4.5Mpa
- Available as both ,evaporator and condenser
- High efficiency
- Reducing refrigerant charge



AWECO ROTARY COMPRESSORS

MAIN FEATURES

- High efficient rotary compressors
- Wide portfolio range for R290



ELECTRONIC EXPANSION VALVES (DPF-T SERIES)

MAIN FEATURES

- Standard coils suitable for units with R290 charge below 150g (VDE certificate according to the norm IEC 60335 series)
- Valves for R290 suitable in combination with standard or ATEX coil
- ATEX is coming soon



THERMOSTATIC EXPANSION VALVES (RFGB ERIES)

MAIN FEATURES

- Fixed orifices
- Available with angle shape and fixed super-heating or with straight shape and adjustable super-heating
- Capacity range (1,2 kW to 7,0kW with R290



SOLENOID VALVES

(FDF SERIES)

- Standard coils suitable for units with R290 (VDE certificate according to the norm DIN EN 60730-1 and IEC 60335 series)
- Available range: connections size from 1/4" to 5/8"





GREEN TECH LINE

4 WAYS REVERSING VALVES (SHF SERIES)

MAIN FEATURES

- Standard coils suitable for units with R290 charge below 150g (VDE certificate according to the norm IEC 60336-2-24)
- ATEX coils with different rated voltage available on request
- Available range: nominal capacity from 3.4 to 30.0 kW



PISTON CHECK VALVES (YCV SERIES)

MAIN FEATURES

- Piston Type check valves
- Available range: connections size from 6mm to 22mm (1/4" to 7/8")



SIGHT GLASSES (SYI SERIES)

MAIN FEATURES

- High precision color indicator
- Available range: connections size from 6mm to 22mm (1/4" to 7/8")



SOLENOID VALVES (MDF SERIES)

MAIN FEATURES

- Standard coils suitable for units with R290 (VDE certificate according to the norm DIN EN 60730-1 and IEC 60335 series)
- Available range with R290: connections size from 6mm to 22mm (1/4" to 7/8")



BALL VALVES (SBV SERIES)

MAIN FEATURES

- Models with or without access fitting
- Available range: connections size from 6mm to 22mm (1/4" to 7/8")



FILTER DRIERS (DTG, STG SERIES)

- Available with 100% desiccant or 80% desiccant
 - + 20% alumina
- Available range: connections size from 6mm to 22mm (1/4" to 7/8")







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