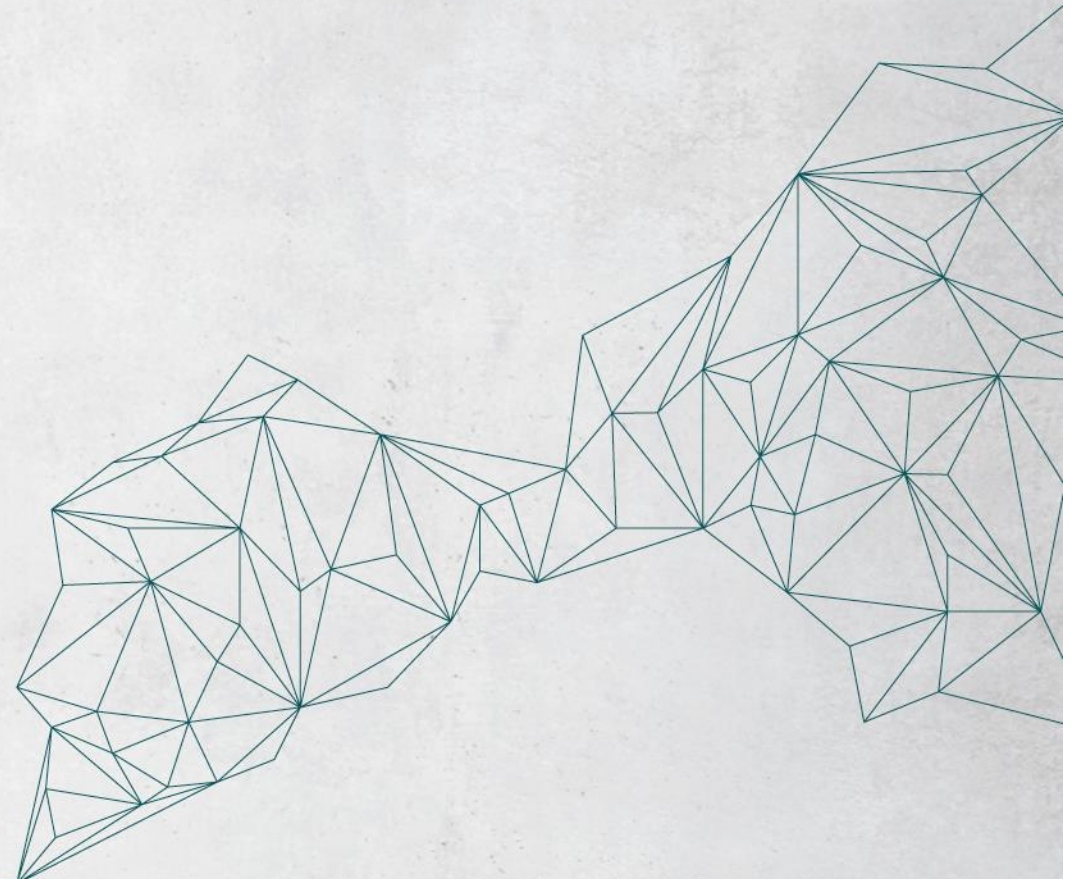


Chillventa Specialist Forums 2024 Chillventa Fachforen 2024

**CONNECTING
EXPERTS.**





SANHUA



Brazed Plate Heat Exchangers

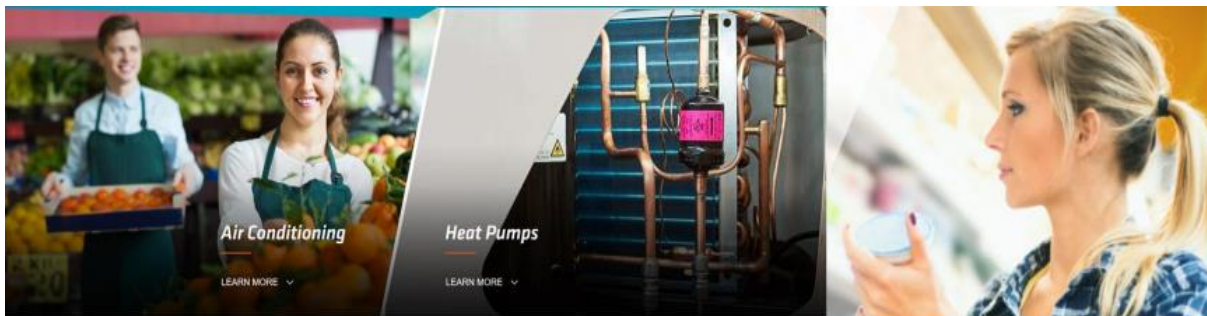
Environmentally Conscious



innovating
TOGETHER

SANHUAEUROPE.COM

SANHUA HOLDING GROUP



HVACR Components



Micro-channel

Home Appliances



Automotive

innovating
TOGETHER

SANHUA Resources

HEADQUARTER LOCATION

Hangzhou, Zhejiang, China

1984 ESTABLISHED

9 MAIN
PRODUCTION
BASES

20+ FACTORIES
GLOBALLY

34,000 EMPLOYEES
GLOBALLY

innovating
TOGETHER

>8 Billion USD TURNOVER



**Global R&D
staff +4000**



**8 Global
R&D centers**



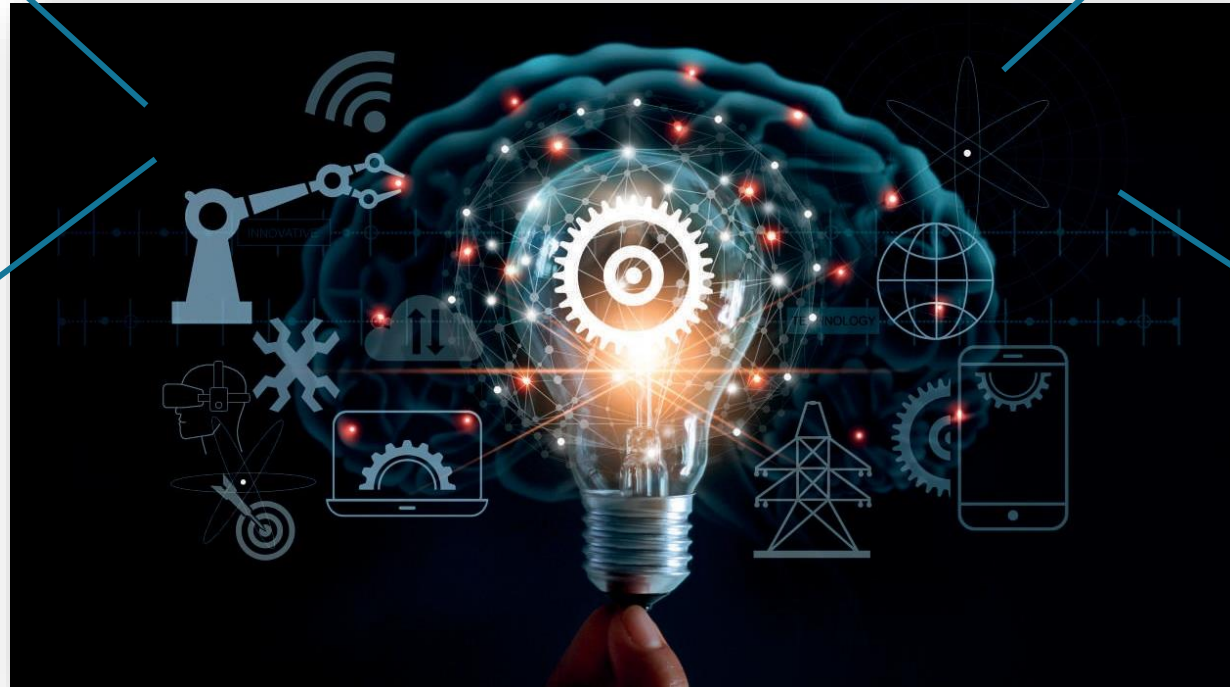
**1 patent in
every 12 hours**

Environmentally Conscious at the very start of Development

Material



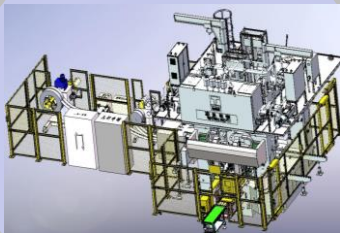
Innovation



Environment Footprint

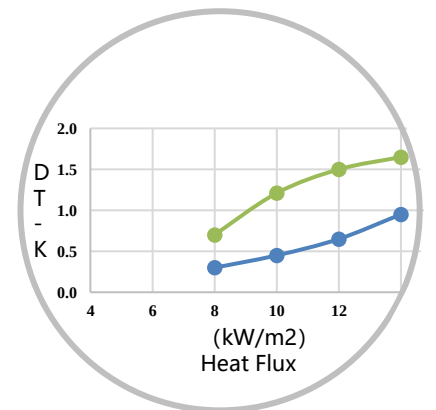


Production Methods



Fully automatized production

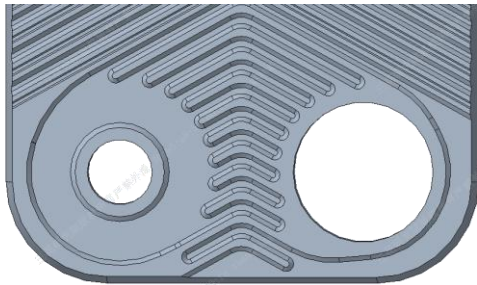
Performance



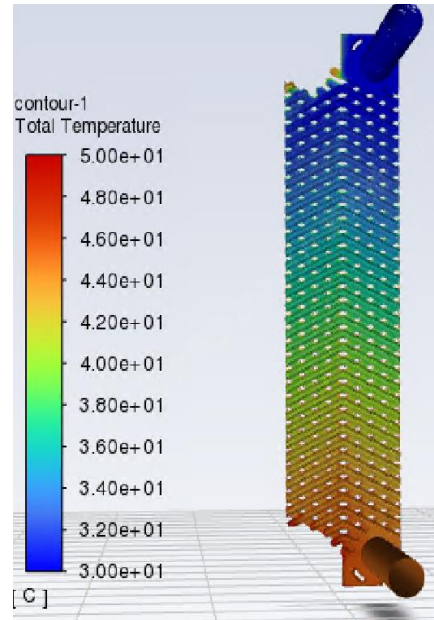
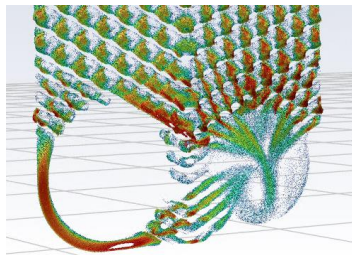
From Ideas to Design

Computational Fluid Dynamics (CFD) Simulation

Anti-freezing Design

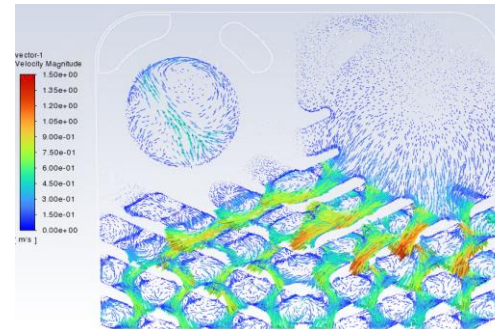


**Optimized Flow
Distribution Cold Area**

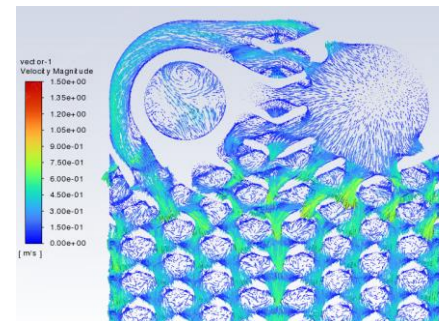


Temperature profile

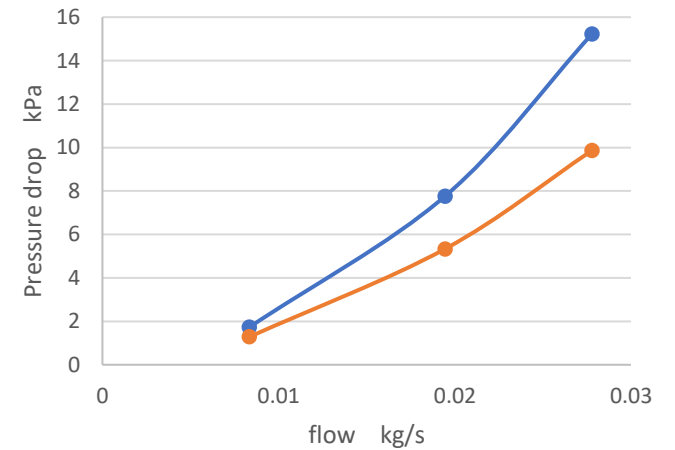
Decrease Pressure Drop



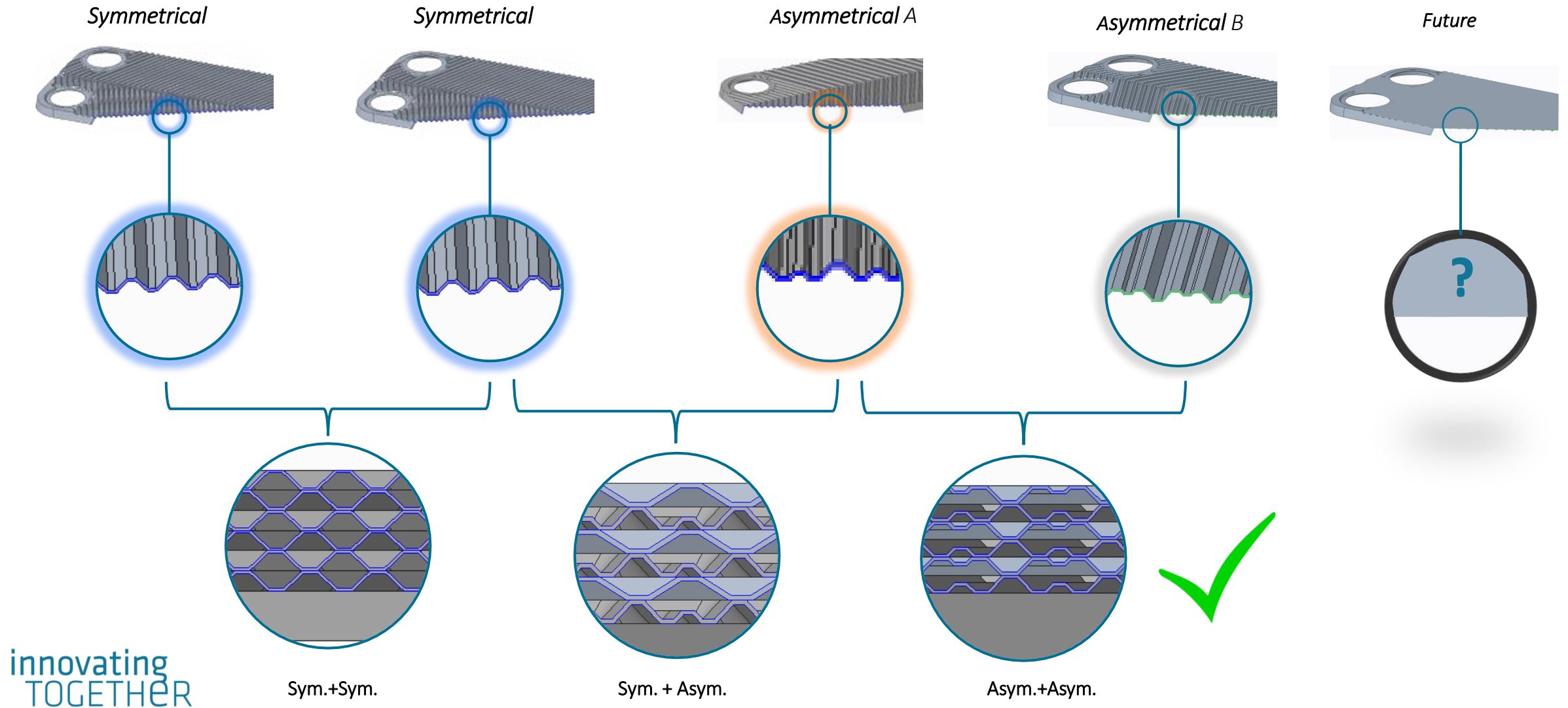
Velocity vector



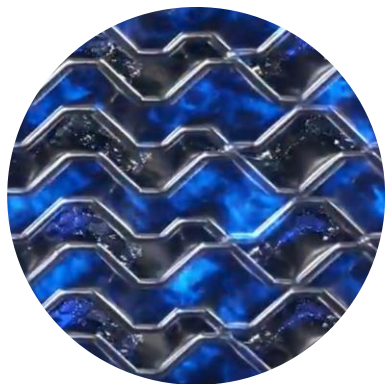
Pressure drop CFD



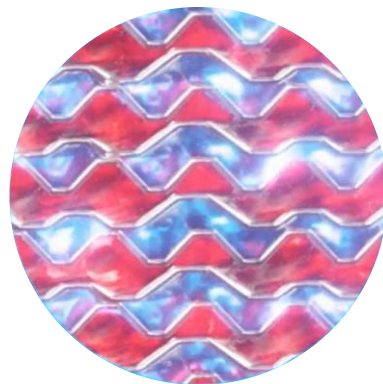
Continuously Innovation and Development



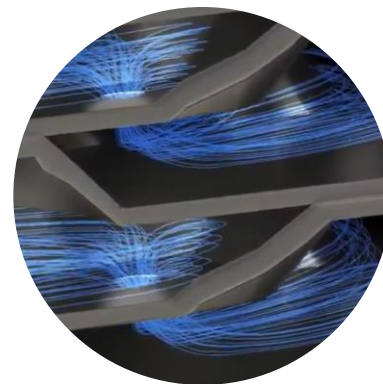
Sanhua BPHE Key Technologies



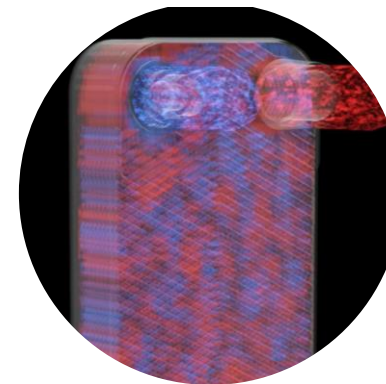
Freezing Safe



Multi-Asymmetrical Plates

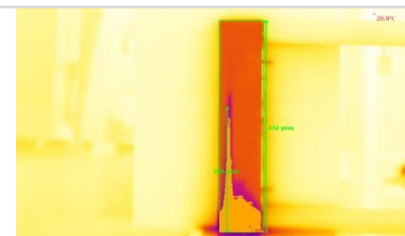


Flex/Efficient Distribution



Pressure/Temp. Fatigue

Sanhua full Laboratory resources



innovating
TOGETHER



TUV certification Witness Lab

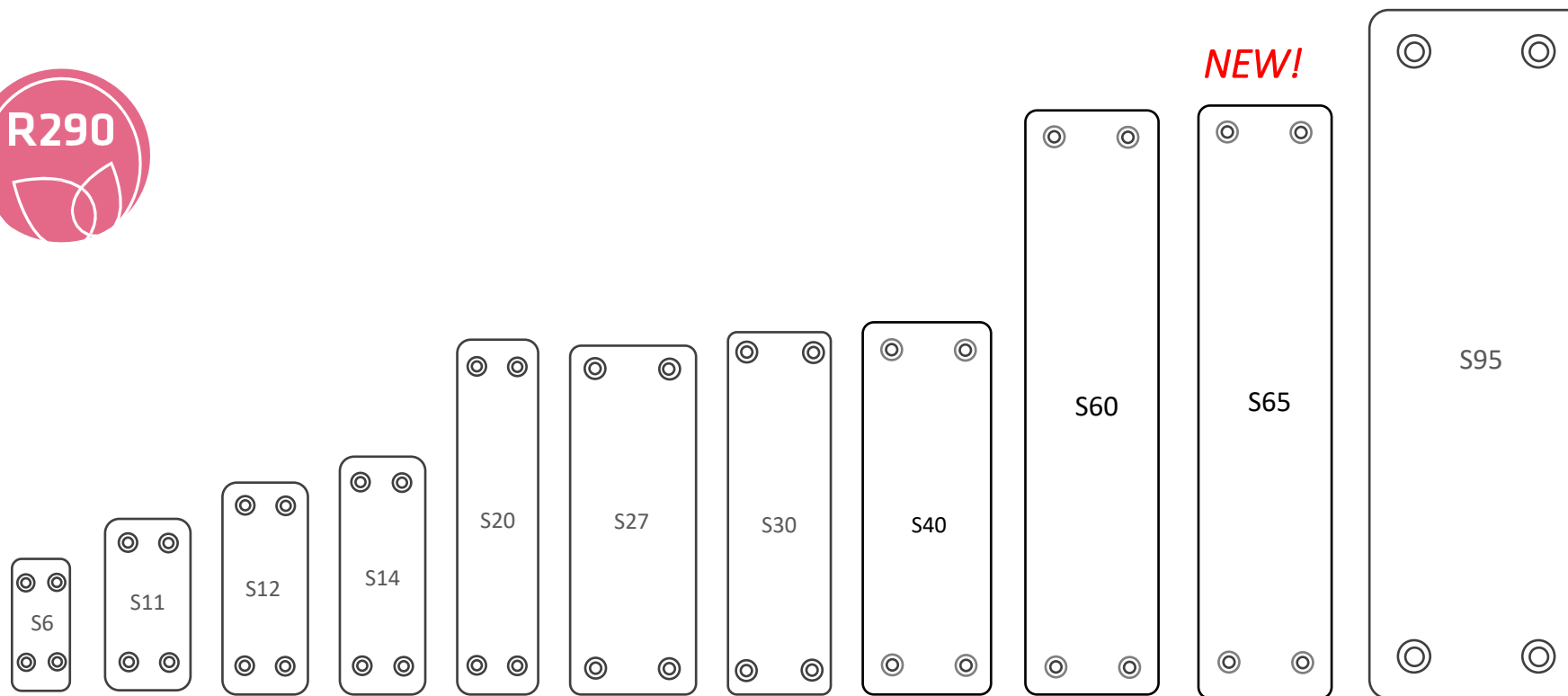


UL certification Witness Lab



National laboratory. We can provide
test service for 3rd-party companies

Current Sanhua BPHE family



Available in different versions *Evaporators, Condensers, Economizers, Desuperheaters, Subcoolers*

A large, grey outdoor HVAC unit with a black fan grille and a black fan. It is positioned in the center-left of the image. To its left is a smaller, vertical, copper-colored indoor unit.

S65A

+20% Thermal Performance

-37% Refrigerant Charge

-25% Unit weight

A circular logo with a pink background and a white outline. Inside the circle, the text "R290" is written in white, and below it is a stylized white flame or leaf symbol.

R290

Specially
designed



Heat Pump/Chiller
10-90 kW

20%⁺

Thermal Performance

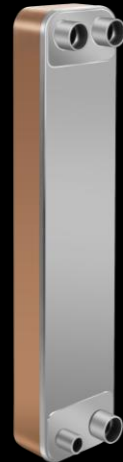
37%

Internal R-290
Charge Volume

Safe & Controllable



Cooling & Heating



SANHUA
New BPHE

S65A

**Look into
the future**



PRESSING



ASSEMBLY



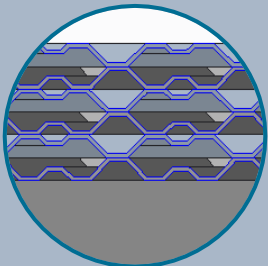
BRAZING



TESTING

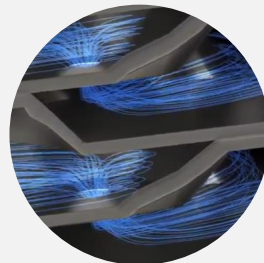


State-of-the-art Lab & Production



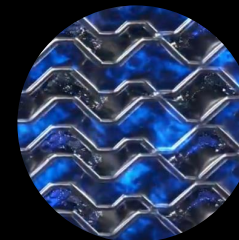
New Asymmetry

Higher Asymmetrical ratio



**Flexible & better
distribution**

*Faster reactions to
various demand*

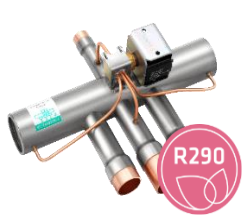


High freezing safe

*Water velocity
higher and equal*

Sanhua Full Range of Refrigerant Components

All electric parts are certified acc. to IEC/EN 60335-2-40/2-34



4-way valve



EEV



P. Sensor



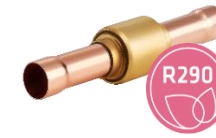
P. Switch



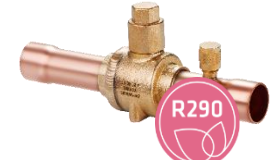
Filter/Drier



Solenoid



Check Valve



Ball Valve



Service Valve



TXV



Schrader Valve



Accumulator



Muffler



MCHE™



BPHE



Inverter

innovating
TOGETHER

SANHUA

Visit us: **Booth**
7A-328
CHILLVENTA
8 - 10.10.2024



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sanhuaeurope.com

SANHUA INTERNATIONAL

info@sanhuaeurope.com

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EXPERTS.**

