

High-Pressure CO₂ Refrigeration Solutions

Engineered for 130 Bar Operating Pressure
Copper Stability for the Next Generation of
Eco-Friendly Cooling.



130Bar(g) Working Pressure



390bar(g) Burst Pressure



R-744



New Copper-iron Alloy Material

Application

Powered by eco-friendly, non-toxic CO₂ refrigerant, the ZHP130 series delivers sustainable cooling for freezers, ice rinks, cold storage, and heat pumps.



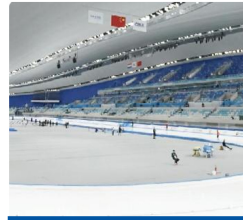
Supermarket Freeze



Heat Pump



Cold Storage



Indoor Ice Rink

ZHP130 Product Range

SCOTTFRIO provides a complete range of CO₂ high-pressure components for reliable and efficient refrigeration systems.

1 Copper-Iron Alloy Fittings

High strength, excellent pressure resistance and long service life.



Coupler
(3/8"-2 1/8")



Cap
(3/8"-2 1/8")



90°Elbow
(3/8"-2 1/8")



45°Elbow
(7/8"-2 1/8")



Tee-Equal
(3/8"-2 1/8")



Tee-Reduced Branch
(1/2"×1/2"×3/8"-
2 1/8"×2 1/8"×1 5/8")



Fitting Reducer
Double Socket (Female)
(1/2"×3/8"-2 1/8"×1 5/8")

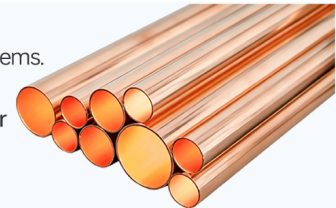


Fitting Reducer
Male & Female
(1/2"×3/8"-2 1/8"×1 5/8")

2 Copper-Iron Alloy Pipes

Seamless pipes designed for CO₂ high-pressure refrigeration systems.

- Material: Copper-Iron Alloy
- Standard: EN 12735-1
- Wall Thickness: 0.8 mm ~ 3.0 mm
- Working Pressure: 130 Bar
- Size Range: 3/8" ~ 2-1/8"



3 CO₂ High Pressure Ball Valve

Full port design ensures low pressure drop and high flow capacity.

- Working Pressure: 130 Bar
- Explosion-proof Stem
- Reliable Sealing and Long Service Life
- Full Port Design
- R-744 Compatible

