

# Atlas Copco Compressor Series Cooler

## Atlas Copco Compressor Models:



ZH6, ZH7000, ZH10000, ZH15000, HL6, HL8, HL9, ZR2, ZR3, ZR4, ZR5, ZR6, ZR55, ZR75, ZR90, ZR110, ZR132, ZR145, ZR160, ZR200, ZR250, ZR275, ZR300, ZR315, ZR355, ZR400, ZR425, ZR450, ZR500, ZR630, ZR700, ZR750, ZR900, GA315, GA355, GA450, GA500

## Structure and Material Selection:

1. Tube-fin heat exchanger with expanded fins; same dimensions as the original. All parts tested at  $1.5 \times$  operating pressure.
2. Heat exchange tubes: BFe10-1-1 iron-copper or T2 copper (customer choice).
3. Fin material: T2 copper or aluminum (customer choice).
4. Top cover, partitions, slide rails, flow dividers, and tie rods: 304 stainless steel. Flow dividers prevent fin erosion from concentrated airflow.
5. Tube sheet: Q345R carbon steel (corrosion-resistant).
6. Heat exchange tubes and fins tightly expanded ( $\geq 0.1\text{mm}$ ).
7. Heat exchanger and tube sheet connected by strength expansion; leak-free after pressure test.
8. Large coolers have rollers at the bottom for easy core removal during maintenance.
9. Sealing gasket: silicone rubber for excellent sealing and easy installation.

