

# Ingersoll-Rand Compressor Series Cooler

## Ingersoll Rand Compressor Models:



CV10M\*2 / CV12M\*2 / CV14M\*2 /  
CV15M\*2 / CV18M\*2  
CV21M\*3 / CV29M\*3 / CV35M\*3 / CV2M\*3  
/ C950\*3  
C350M\*3 / C400M\*3 / C700M\*3  
3CII70M\*3 / 3CII90M\*3  
C160M\*3 / C3000M\*3 / 5CII150M

## Series Cooler Parameters:

- Air Flow: 35 – 800 Nm<sup>3</sup>/min
- Cooler Inlet Temperature: 95 – 145 ° C
- Cooler Inlet Water Temperature: ≤ 32 ° C
- Cooler Outlet Temperature: ≈ 42 ° C

## Structure and Material Selection:

1. Cooling water flows outside the tubes and gas inside; the wave fin structure inside the tubes increases heat exchange efficiency.
2. Heat exchange is optimized for maximum thermal transfer.
3. Tubes are made of T2 copper.
4. Fin material is T2 copper.
5. Tube plate, baffle plate, and tie rod are stainless steel.
6. Tubes are tightly welded to fins for structural integrity.
7. The heat exchanger and tube plate are connected using expansion and pressure-tested to ensure no leaks.
8. Sealing rings are fluorine rubber, providing excellent sealing performance and easy installation.

