

Fs-Elliott Compressor Series Cooler

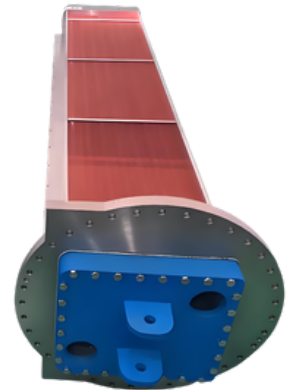
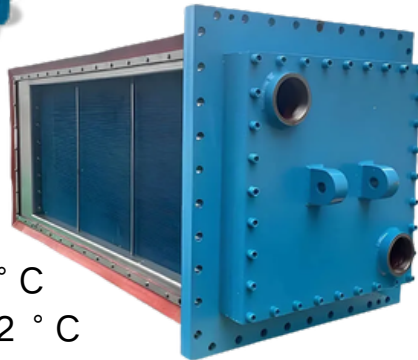
Fs-Elliott Compressor Models:

270DA3/330DA3/550DA3/
800DA3/950DA3/1100DA3 Series
P300/P400/P500/P600/P700
PP0576-2904/PP0576-70/PP0577-
70/FP0502-01/FP0503-01



Series Cooler Parameters:

- Air Flow: 50 – 350 Nm³/min
- Cooler Inlet Temperature: 100 – 145 ° C
- Cooler Inlet Water Temperature: ≤ 32 ° C
- Cooler Outlet Temperature: ≈ 42 ° C



Structure and Material Selection:

1. Tube-fin heat exchanger with extended surface, same size as the original; all parts tested at 1.5 × working pressure.
2. Heat exchange tube: BFe10-1-1 Iron-White copper or T2 copper (customer choice).
3. Fin material: T2 copper or aluminum (customer choice).
4. Top cover, partition plates, side frame, splitter plate, and pull rod: 304 stainless steel.
5. Additional splitter plate reduces erosion from concentrated inlet airflow.
6. Tube sheet: carbon steel Q345R with anti-corrosion treatment.
7. Heat exchange tube and fins tightly expanded (≥ 0.1 mm).
8. Tube plate and exchanger connected by strength expansion; pressure test ensures no leakage.
9. Rollers at bottom of large coolers for easy core removal during maintenance.
10. Sealing strip: silicone rubber for good sealing and easy installation.

