Condenser Tube types

Type	Feature	Design consideration
Straight tube	Good access for mechanical cleaning	Two tubesheets or an expansion-accommodation feature may be required
U-bend tube	Inherent accommodation of differential thermal expansion	Bend cleaning and individual tube replacement are more difficult
Seamless tube	No longitudinal weld seam	Cost and availability depend on alloy and size
Welded or heavily cold-worked welded	Common and economical for stainless tubing	Weld quality, heat treatment and NDE are critical
Plain tube	Simpler cleaning and inspection	Heat-transfer area is limited to base geometry
Enhanced or finned tube	Greater area or heat-transfer coefficient	Greater fouling sensitivity and specific cleaning requirements

Source / basis: https://niktrd.com/condenser-tube