

Overall Coefficients: Heat Transmission in jacketed

Jacketed Fluid	Heated Fluid	Wall material	Total U.. W/m ² °C
Steam	Water	Inox	850 - 1700
Steam	Aqueous Solution	Inox	450 - 1140
Steam	Organics	Inox	285 - 850
Steam	Light oil	Inox	340-910
Steam	Heavy Oil	Inox	57 - 285
Brine	Water	Inox	230 - 1625
Brine	Aqueous Solution	Inox	200 - 850
Brine	Organics	Inox	170 - 680
Brine	Light oil	Inox	200-740
Brine	Heavy Oil	Inox	57 - 230
Heat transfer in oil	Water	Inox	285 - 1140
Heat transfer in oil	Aqueous Solution	Inox	230 - 850
Heat transfer in oil	Organics	Inox	170 - 680
Heat transfer in oil	Light oil	Inox	230 -425
Heat transfer in oil	Heavy Oil	Inox	57 - 230

• The listed values are for moderate agitation
C.S. Carbon Steel