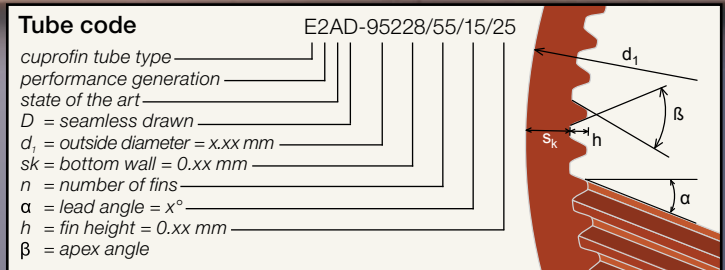
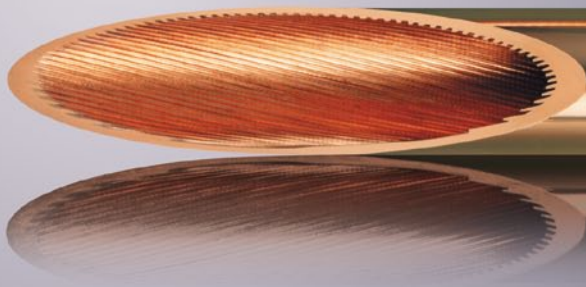


## cuprofin®-E

Inner-grooved seamless drawn copper tubes

Wieland Thermal Solutions®  
PROVIDING EFFICIENCY



### Application

Wieland cuprofin-E tubes are highly efficient heat transfer tubes for tube-side evaporation in fin coils. The grooves on the inside of the tubes are designed for optimised heat transfer for a number

of refrigerants, allowing the development of more compact heat exchangers.

### Form of delivery

Level-wound coils			
Material	Copper Cu - DHP	Copper C 12200	Copper SF - Cu
Standard	EN 12735-2*	ASTM SB 359	VdTÜV 420/6
Temper	annealed Y40	light annealed O50	annealed F22

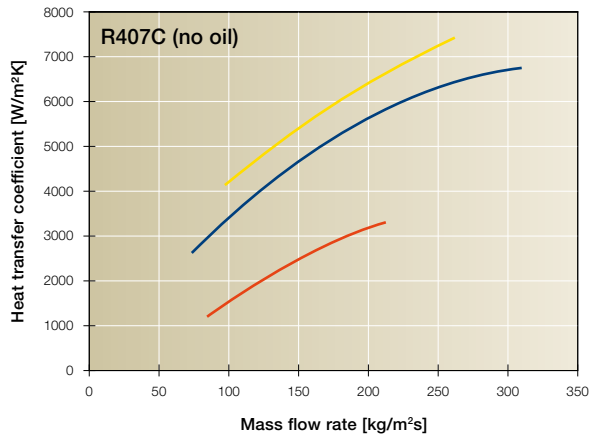
\*conforms to the Pressure Equipment Directive PED 97/23/EC

$d_1$		$s_k$	h	n	$\alpha$	Tube code
mm	inch	mm	mm	-	°	
9,52	$\frac{3}{8}$	0,28	0,25	55	15	E2AD-95228/55/15/25
9,52	$\frac{3}{8}$	0,30	0,25	55	15	E2AD-95230/55/15/25

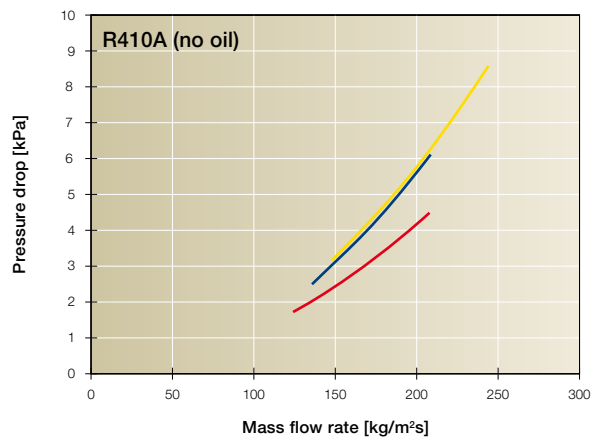
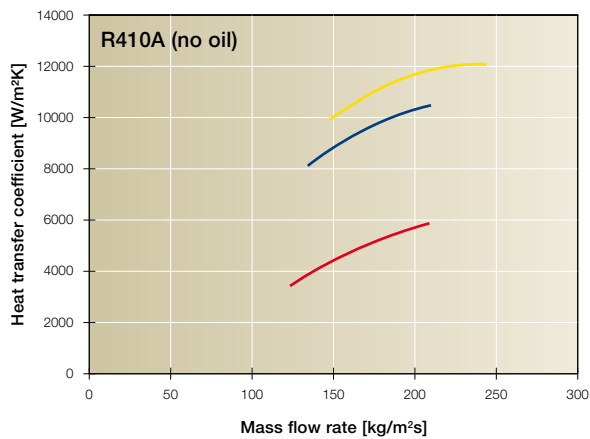
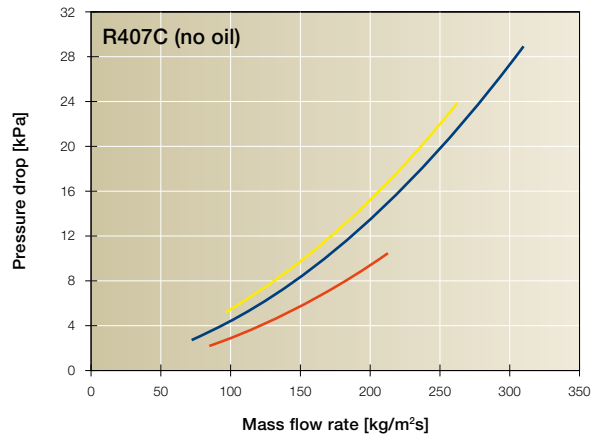
Other types upon request.

## Evaporation

### Heat transfer performance



### Pressure drop



#### Test conditions

Evaporation – 9.52 mm tubes  
 $t_0 = 0\text{ °C}$   
 superheat ~5 K, inlet quality 20 %  
 tube length 2 m

— cuprofin E  
 — cuprofin standard  
 — plain tube

Tube Type	Standard	This leaflet					
		E	EDX	C	G	L10	XSt
Tube Application	evaporation condensation	<b>evaporation</b>	evaporation	condensation	single phase heat transfer	evaporation condensation	evaporation condensation
Process Application	fin coils shell & tube	<b>fin coils</b>	shell and tube evaporators	fin coils	highly viscous liquids	seawater	fin coils shell and tube
Material	copper	<b>copper</b>	copper	copper	copper	cupro Nickel	stainless steel

