

## cuprofin<sup>®</sup> - E

### Inner-grooved seamless drawn copper tubes

#### 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 num-

ber 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 Y040	light annealed O50	annealed F22

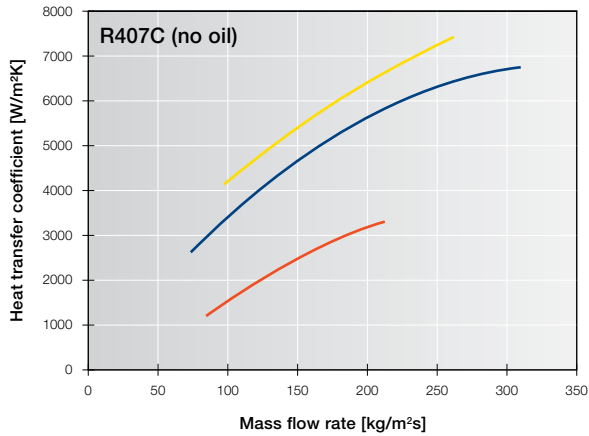
\*Conforms to the Pressure Equipment Directive PED 97/23/EC.

d <sub>1</sub>		s <sub>k</sub>	h	n	α	Tube code
mm	inch	mm	mm	-	°	
9.52	3/8	0.28	0.25	55	15	E2AD-95228/55/15/25
9.52	3/8	0.30	0.25	55	15	E2AD-95230/55/15/25

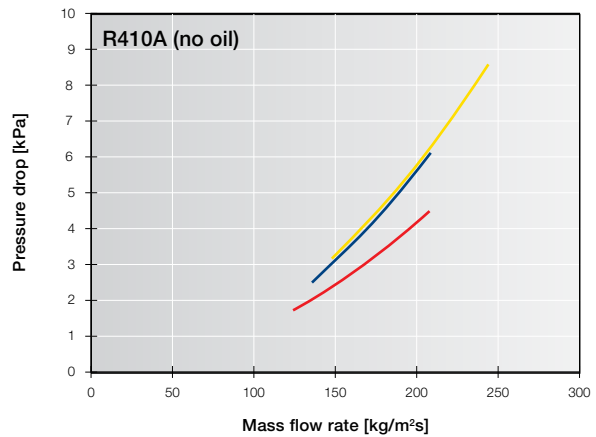
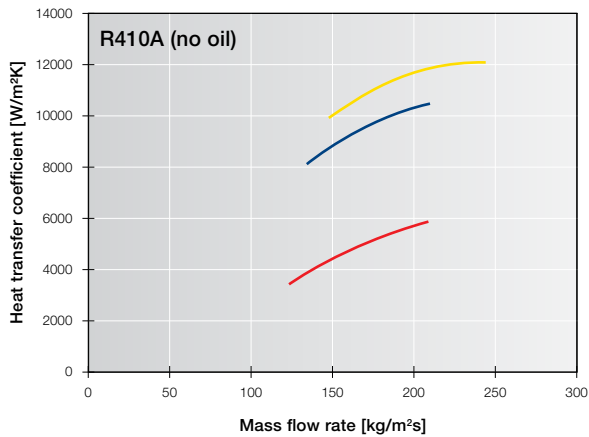
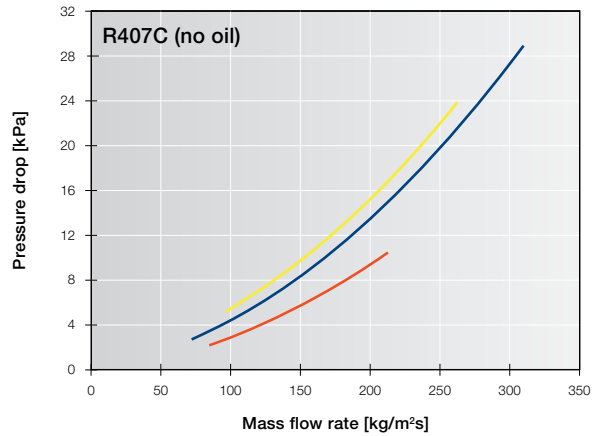
Other types upon request.

## 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

		This leaflet				
Tube Type	Standard	E	EDX	C	G	L10
Tube Application	evaporation condensation	evaporation	evaporation	condensation	single phase heat transfer	evaporation condensation
Process Application	fin coils shell & tube	fin coils	shell and tube evaporators	fin coils	highly viscous liquids	seawater
Material	copper	copper	copper	copper	copper	cupro nickel

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