

MATERIALS & GEOMETRY COMBINATIONS

GEOMETRY	FRAME MATERIAL	FEATURES		TUBE MATERIALS AND THICKNESS				FIN MATERIALS AND THICKNESS						
R5 (S22-8)	FeZn Aisi304 AlMg Aisi316 Copper	External tube diameter	Ø7,94 mm	Copper	0,28	0,41		Aluminium	0,10	0,12	0,15	0,18		
		Staggered geometry with corrugated fins		Grooved copper	0,33			AluPaint	0,10	0,12	0,15			
		Fin pitch	min 1,6 mm					Hydrophile	0,10					
			max 5,0 mm					Copper	0,10					
R6 (S22-10)	FeZn Aisi304 AlMg Aisi316 Copper	External tube diameter	Ø9,52 mm	Copper	0,28	0,35	0,50	Aluminium	0,10	0,12	0,15	0,18		
		Staggered geometry with corrugated fins		Grooved copper	0,33	0,35	0,40	AluPaint	0,10	0,12	0,15			
		Fin pitch	min 1,6 mm					Hydrophile	0,10					
			max 6,0 mm					Copper	0,10					
R8 (S30-12)	FeZn Aisi304 AlMg Aisi316 Copper	External tube diameter	Ø12,7 mm	Copper	0,35	0,50		Aluminium	0,11	0,15	0,18			
		Staggered geometry with corrugated fins		Grooved copper	0,40			AluPaint	0,12	0,15				
		Fin pitch	min 1,6 mm					Hydrophile	0,10					
			max 6,0 mm					Copper	0,10					
F1 (30-12)	FeZn Fe (Black) Aisi304 Al Aisi316 Copper	External tube diameter	Ø12,7 mm	Copper	0,35	0,50		Aluminium	0,10	0,13	0,20	0,25		
		Staggered geometry with corrugated fins		CuSn	0,35	0,50		AluPaint	0,13					
		Fin pitch	min 1,6 mm					AlMg2,5	0,13					
			max 5,0 mm					Copper	0,11	0,20				
								CuSn	0,11	0,20				
F4 (40-16)	FeZn Fe (Black) Aisi304 Al Aisi316 Copper	External tube diameter	Ø16,5 mm	Copper	0,40	0,50	0,70	1,00	Aluminium	0,13	0,20	0,25	0,40	
		Staggered geometry with corrugated fins		CuSn	0,40	0,50	0,70	1,00	AluPaint	0,13	0,25	0,40		
		Fin pitch	min 1,6 mm	CuNi-10				1,00	AlMg2,5	0,13	0,25			
			max 12,0 mm	CuNi-30				1,00	Copper	0,11	0,20			
				Steel				1,50	CuSn	0,11	0,20			
				Aluminium				1,00	1,50					
				Aisi304	0,60	1,00			Aisi304	0,15*	*Only available with stainless tube			
				Aisi316	0,60	1,00			Aisi316	0,15*	*Only available with stainless tube			