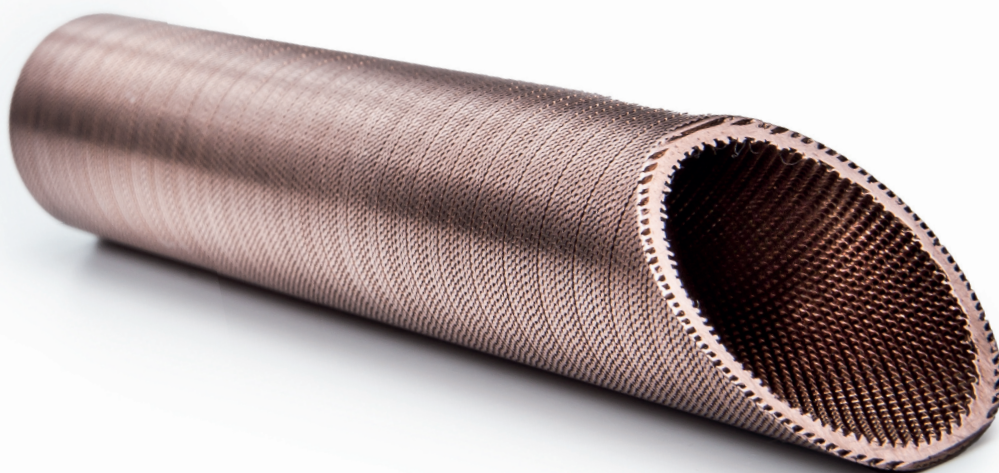




Wieland GEWA-B

Evaporator Tubes

Applications

GEWA-B tubes are enhanced nucleate boiling tubes for shell-and-tube heat exchangers. They are optimised for flooded, falling film and spray evaporators with synthetic refrigerants and natural refrigerants in the air-conditioning and refrigeration industry.

Benefits

- Increased heat transfer on the shell and tube side
- Superior overall heat transfer performance
- Substantial reduction of heat exchanger size and refrigerant charge
- Significant improvement in life cycle energy efficiency

Product Types

Tailor-made for specific applications

- B6 & B7 | For highest performance and efficiency
- B4HSL | Weight optimized, drop-in applications
- BHV | For media with high viscosities
- BLF/ BPL | For high fouling applications

Fabrication and Certification

- DIN EN 12452 / EN 10216-2
- VdTÜV 420 / 5 (for use in pressure vessels)
- ASTM B 359 / ASME SB-359 / ASTM A-498

Certification for use in pressure vessels has been obtained with AD-Merkblatt W0/TRD 100. Certificates 3.1 / 3.2 according to DIN EN 10204.

ThermalX Design Software

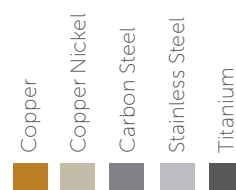
Wieland Thermal Solutions provides thermal design software to optimise your enhanced heat exchangers.

More information on our ThermalX online platform on: <https://thermalx.wieland.com>

Tube Material		
Wieland Code	ISO Code	UNS Code/ ASTM-Code
KU1	Cu-DHP	C12200
L10	CuNi10Fe1Mn	C70600
O41	P235GH	A179
P18	1.4404 / AISI316L	S31603
Y69	3.7025 / Grade 1	R50250

Other materials on request

Available in a wide range of materials

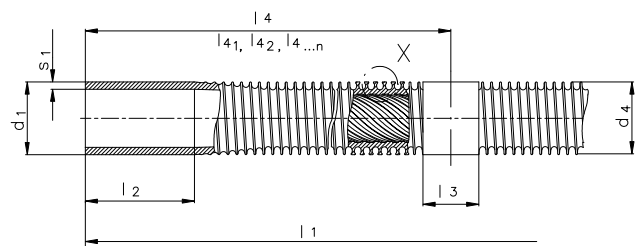


Tube	Material	Plain End		Finned Section				Weight ¹⁾
		d ₁	s ₁	d ₄	d ₃	s ₂	d ₂	G
		(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(kg/m)
GEWA-B7H 3/4" x 0.63	KU1	19.00	1.16	18.85	17.85	0.63	16.59	0.490
GEWA-B7H 1" x 0.63	KU1	25.45	1.17	25.25	24.25	0.63	22.99	0.669
GEWA-B6H 3/4" x 0.63	KU1	19.00	1.13	18.85	17.96	0.63	16.70	0.495
GEWA-B6H 3/4" x 0.71	KU1	19.00	1.20	18.85	17.97	0.71	16.55	0.526
GEWA-B6H 1" x 0.63	KU1	25.45	1.13	25.30	24.15	0.63	22.89	0.662
GEWA-B6H 1" x 0.71	KU1	25.45	1.24	25.30	24.15	0.71	22.73	0.718
GEWA-B4HSL 3/4" x 0.63	KU1	19.00	1.12	18.85	17.85	0.63	16.59	0.478
GEWA-B4HSL 3/4" x 0.71	KU1	19.00	1.20	18.85	17.85	0.71	16.43	0.522
GEWA-B4HSL 3/4" x 0.89	KU1	19.00	1.45	18.85	17.75	0.89	15.97	0.630
GEWA-B4HSL 1" x 0.55	KU1	25.45	1.13	25.25	24.05	0.55	22.86	0.637
GEWA-B4HSL 1" x 0.63	KU1	25.45	1.13	25.25	24.25	0.63	22.99	0.679
GEWA-B4HSL 1" x 0.71	KU1	25.45	1.20	25.25	24.25	0.71	22.83	0.718
GEWA-B4HSL 1" x 0.89	KU1	25.45	1.45	25.25	24.05	0.89	22.27	0.874
GEWA-BHV 3/4" x 0.80	KU1	19.00	1.45	18.85	17.55	0.80	15.95	0.642
GEWA-B4HV 1" x 0.71	KU1	25.45	1.20	25.25	24.35	0.71	22.93	0.742
GEWA-BLF 3/4" x 0.90	L10	19.00	1.55	18.85	17.45	0.90	15.65	0.680
GEWA-B2LF ²⁾ 3/4" x 0.90	L10	19.00	1.47	18.85	17.85	0.90	16.05	0.655
GEWA-BPL 3/4" x 0.90	L10	19.00	1.40	18.85	17.45	0.90	15.65	0.636
GEWA-BPL 3/4" x 0.71	Y69	19.05	1.24	18.66	17.66	0.71	16.24	0.238
GEWA-PB 3/4" x 1.40	O41	19.05	2.11	18.90	17.80	1.40	15.00	0.760
GEWA-PB ²⁾ 3/4" x 1.07	P18	19.05	1.72	18.95	17.45	1.07	15.31	0.609

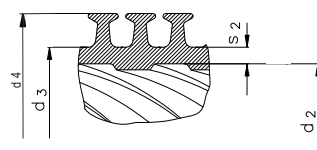
1) Approximate weight for tubes without unfinned intermediate parts

2) Exclusively available through a Wieland S&T solution

Length l ₁	Tolerances
< 2000	+ 2 mm
2000–8000	+ 1 %



X



wieland

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