ZWAHLEN & MAYR
ZM TUBES

CONDENSER & FEEDWATER HEATER TUBES MANUFACTURER

The right choice for power plant tubes

Long lifetime

Secured tightness

Strong corrosion resistance

Zwahlen & Mayr is a Swiss private company specialized in the production of **welded stainless steel tubes for the power generation**.

We supply our tubes for worldwide critical power plant application thanks to our strong technical expertise.

Our process is certified by the main protagonists in the energy field.

Our products are intended for use in high erosion-corrosion environment like fresh water and sea water.

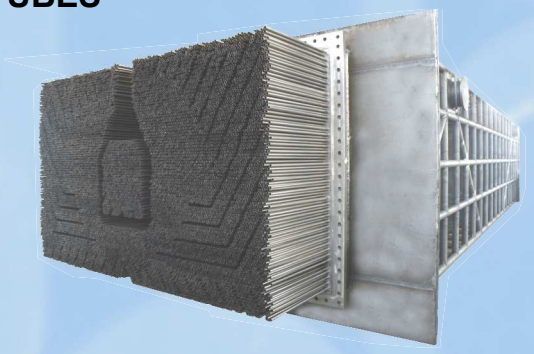
- ✓ Special treatment to reach a low residual stress corrosion
- ✓ Air under water test on straight and U-tubes
- ✓ Pneumatic test on straight and U-tubes
- ✓ Differential pressure test
- ✓ Ultrasonic test

SWISS MADE

ZWAHLEN & MAYR
ZM TUBES

POWER PLANT CONDENSER

STRAIGHT AND WELDED STAINLESS STEEL TUBES



OD range		Wall range		Length	
mm	inch	mm	inch	m	ft
15.88 - 31.75	5/8 - 1 ¼	0.5 - 1.0	0.02 - 0.04	7 - 19	23 - 63

Other dimensions and grades on request

ENVIRONMENT	GRADE	CHARACTERISTICS
Freshwater	TP 304L	Good corrosion resistance
	TP 316L	Improved corrosion resistance to chlorides
	TP 317L	Improved chloride pitting resistance
	TP 317LN	Exceptionally good resistance to pitting and crevice corrosion
		Very good resistance to various types of stress corrosion cracking
Seawater	S31254 (254 SMO ®)	Maximum resistance to pitting and crevice corrosion
		Especially suited for high-chloride environments
	Alloy 6Mo	High stability towards pitting corrosion, stress corrosion and intergranular corrosion
	Titanium Grade 2	Excellent resistance to sea water and solutions polluted by chlorides
		Exceptional erosion resistance in a wide range of media
	Super Ferritic S44735 (AL29-4C®)	Especially developed for the power plant condenser tubing
		The perfect choice for handling warm seawater (max 50 degrees)
		Provide a much lower and more stable cost than Titanium
		Better vibration and erosion-corrosion resistance than titanium and copper base alloys
		Better heat transfer than austenitic stainless steels
	Super Austenitic N08367 (AL6XN®)	Superior formability compared to S44735
		Improved resistance to corrosion compared to S44735

FEEDWATER LOW PRESSURE HEATER

U-BENT AND WELDED STAINLESS STEEL TUBES

OD range		Wall range		Length	
mm	inch	mm	inch	m	ft
15.88 - 25.4	5/8 -1/1	0.71 - 1.5	0.03 - 0.06	10 - 30	33 - 100

Other dimensions and grades on request

ENVIRONMENT	GRADE	CHARACTERISTICS
Freshwater	TP 304L	Good corrosion resistance
	TP 316L	Improved corrosion resistance to chlorides
	Ferritic Alloy 439	Excellent resistance to stress corrosion cracking
		High thermal conductivity and low thermal expansion
	Ferritic Alloy 444	Immune to chloride stress-corrosion cracking
		Enhanced resistance to pitting and crevice corrosion
		Good general corrosion resistance to a multitude of environments