

EP COIL TUBES

SEAMLESS GAS SUPPLY
IN UHP QUALITY



COIL TUBES FOR UHP GAS SUPPLY

Made for Applications in Microelectronic Industries.

Imperial	d / s	Length	Weight	ultron	
Inch	mm	m	kg/m	ep Quality	Material
1/4	6.35 x 0.89	30..48	0.1241	Ra ≤ 0.25 µm	316 L*
3/8	9.53 x 0.89	30.48	0.1966	Ra ≤ 0.25 µm	316 L*
1/2	12.70 x 1.24	30.48	0.3511	Ra ≤ 0.25 µm	316 L*

*On request: UNS S31603 (316L) VIMVAR double melted stainless steel acc. to ASTM A 269/A 632 for OD tubing (Imperial)



Electropolishing for optimal surface quality and roughness



ultron Coil Tube Specifications:

- Material: 1.4404 / UNS S31603 (316L)
- Electropolished surface to Ra ≤ 10 µin (0.25 µm)
- Sulfur level: S ≤ 0.012%
- Final cleaning and packing: Performed in a Cleanroom Federal Class 10 (ISO Class 4). Ends of tube capped with PE/PA foil and PE caps.
- Rinsed with 60-80° C hot DI water
- Dry-blowing N₂ 5.0 over the surface
- Diameter of coil: approx. 75 cm

Straightening tool available

Advantages of Dockweiler Coil Tubes:

1. **Fewer Welds** or mechanical fittings required.
2. **Stability, cleanliness, and construction speed** are dramatically improved due to drastic reduction of welding points.
3. **Reduces costly labor** associated with inspecting welds, and installation is fast.
4. **Eliminates the risk of contamination** or leaks and other long-term failures.
5. **No welding gaps inside**, ensures fluid transmission with no resistance.
6. **It's easy to pack**, facilitates storage and shipping (as well as less waste and scrap material).
7. **Dockweiler quality** with end-to-end documentation and traceability.
8. **Consistent 3.1 certificate documentation** with all important information.



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