D-ECKWEILER

connecting flow to purity



HYDROGEN FLOW

SAFE, CLEAN AND CORROSION-RESISTANT: TUBE SYSTEMS IN STAINLESS STEEL FOR HYDROGEN APPLICATIONS



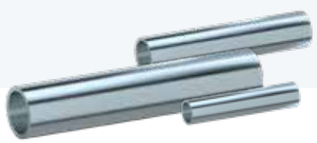
SAFE AND LEAK-FREE

HIGHLY RELIABLE HYDROGEN SUPPLY SYSTEMS MADE OF AUSTENITIC STAINLESS STEEL

CERTIFIED MATERIALS WITH THE HIGHEST CORROSION RESISTANCE AND LEAK-TIGHTNESS

GOOD REASONS FOR COMPONENTS FROM THE SPECIALIST IN STAINLESS STEEL TUBE SYSTEMS:

1. **Seamless tubes and fittings made of austenitic stainless steel**
2. **Application-specific materials with selected melts**
3. **Dimensions from 1/4 to 1 inch (up to 1,000 bar)**
4. **High-purity electropolished inner surfaces (up to Ra 0.13 µm)**
5. **Complete traceability from raw material to final product**
6. **Numerous references from project contracts for the semiconductor and pharmaceutical industries as well as for fusion technology**



Corrosion-resistant seamless stainless steel tubes



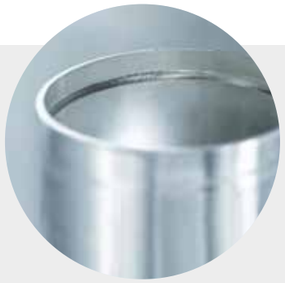
T-pieces, elbows, and reducers



Leak-proof connections with a metal gasket

TECHNICAL KNOW-HOW AND MANUFACTURING EXPERTISE

FOR ELECTROLYSIS, STORAGE, AND TRANSPORTATION ALL THE WAY TO FUEL CELL APPLICATIONS



Leak-Tightness and Safety Through State-of-the-Art Welding

Using the 3D inside-out welding process (IO welding), we manufacture precise, safe, and corrosion-resistant stainless steel tube systems. Metalworking processes such as bending, drilling and shaping are also part of our expertise. Standardized 3.1 certificates ensure complete traceability from every component or raw material all the way to delivery. This is evident in every single assembly.



Guaranteed purity with surfaces down to Ra 0.13 µm

The highest levels of purity play a crucial role in tube systems in highly technical industries. Through mechanical and electrochemical surface treatment and finishing, we ensure optimal purity and safety in industrial processes.



Engineering and Prototyping for New Technologies

The transition from a functional prototype to mass production presents companies with unique challenges. As a development and industrialization partner, we provide support precisely at this juncture. Together, we develop robust solutions, optimize processes, and ensure that new technologies can be manufactured efficiently and at scale.



COAX double-wall tube system with leak protection



Custom special components



Process vessels for sensitive media

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DW-HF-EN 09-2026