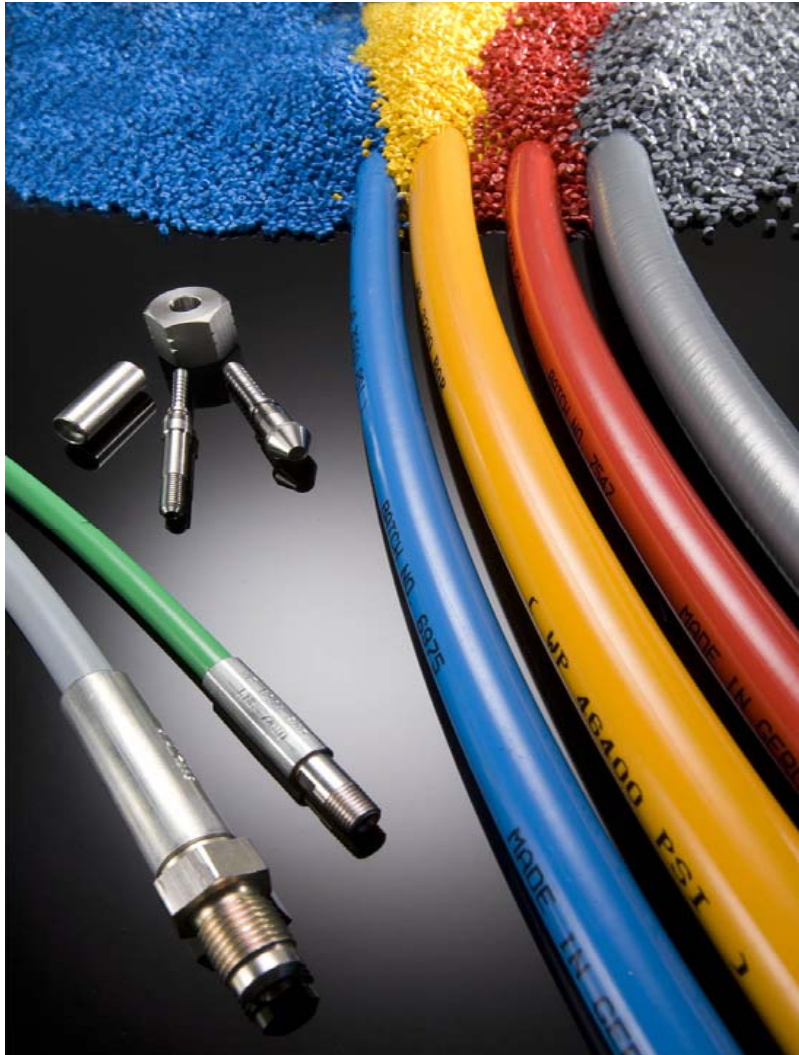


# Company Profile



## Your Specialists in High Pressure Hose<sup>SM</sup>

**SPIR STAR** Druckschläuche AG  
Auf der Rut 3  
64668 Rimbach-Mitlechtern  
Germany

**SPIR STAR** France  
6, Rue Clément Ader  
Z.A. de l' Aérodrôme  
67500 HAGUENAU  
France

*Your Specialists in High Pressure Hose<sup>SM</sup>*

# Core Business



**Production of :**

**Spiralized, Thermoplastic  
High Pressure Hose**

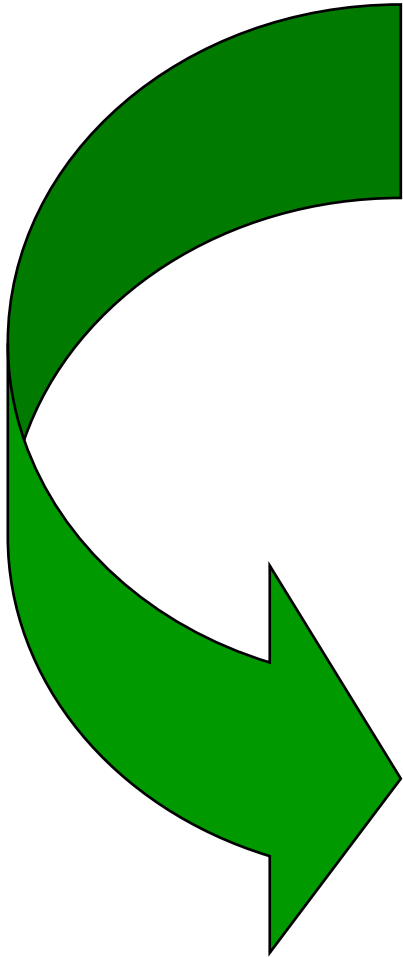
**Working Pressure :**

**Up to 3200 bar (46400 psi)**

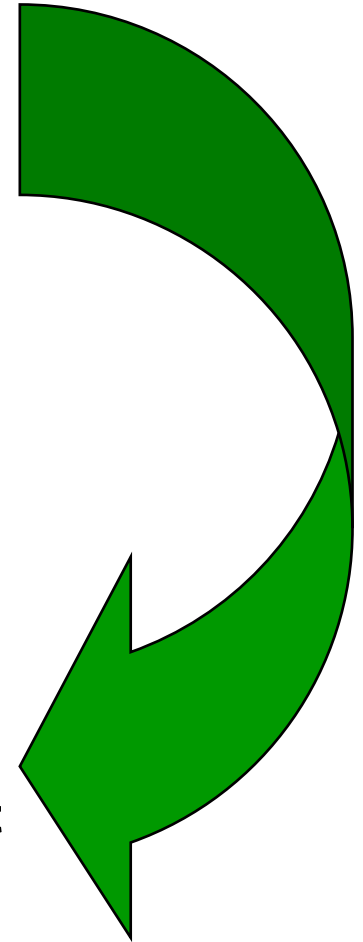
**Inner diameter :**

**Up to 25 mm (1")**

# Capabilities



- **Over 100 different hose types**
- **400 bar to 3200 bar**
- **ID : 3 mm to 25 mm**
- **Spiral reinforced**
- **Variety of inner core materials**
- **Variety of outer covers**
- **Lightweight**
- **Long, continuous lengths**
- **State of the art testing equipment**







- **Inner core :**  
PA, POM, PVDF or PTFE
- **Reinforcement :**  
Up to 8 layers of high tensile steel wires
- **Outer cover :**  
PA, PUR or PVDF

# Applications



**Water Blasting**



**Oil & Gas Industry**



**High Pressure Hydraulics**



**Automotive**



# **SPIR STAR<sup>®</sup>**

## **HIGH PRESSURE HOSES**

### **SPIR STAR Hoses main applications**



- Heat exchanger tube cleaning
- Pipe cleaning
- Surface preparation



- Hydraulic tooling



- Waterblasting, cleaning



- High pressure hydraulics
- Bolt tensioning
- Surface preparation, concrete removal





# SPiR STAR®

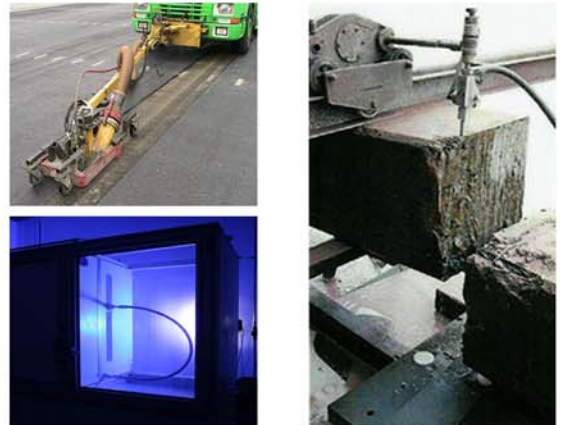
## HIGH PRESSURE HOSES



- High pressure hydraulics
- Hydrodemolition
- Surface preparation
- High pressure applications



- Water jet cutting
- Hydroforming
- Testing at extreme high pressures
- Extreme applications



Hoses types	Inner diameters	Working pressures
Hoses types 2	From 3 to 25 mm.	From 440 to 1200 Bar
Hoses types 2 W & 2WR	From 4 to 25 mm.	From 640 to 1400 Bar
Hoses types 4 & 4 H	From 3 to 25 mm.	From 900 to 2160 Bar
Hoses types 6 & 6 H	From 3 to 25 mm.	From 1400 to 2800 Bar
Hoses types 8 & UHP	From 4 to 16 mm.	From 2000 to 3200 Bar

**SPiR STAR France**  
**6, Rue Clément Ader**  
**ZA. de l'Aérodrome**  
**67500 HAGUENAU**

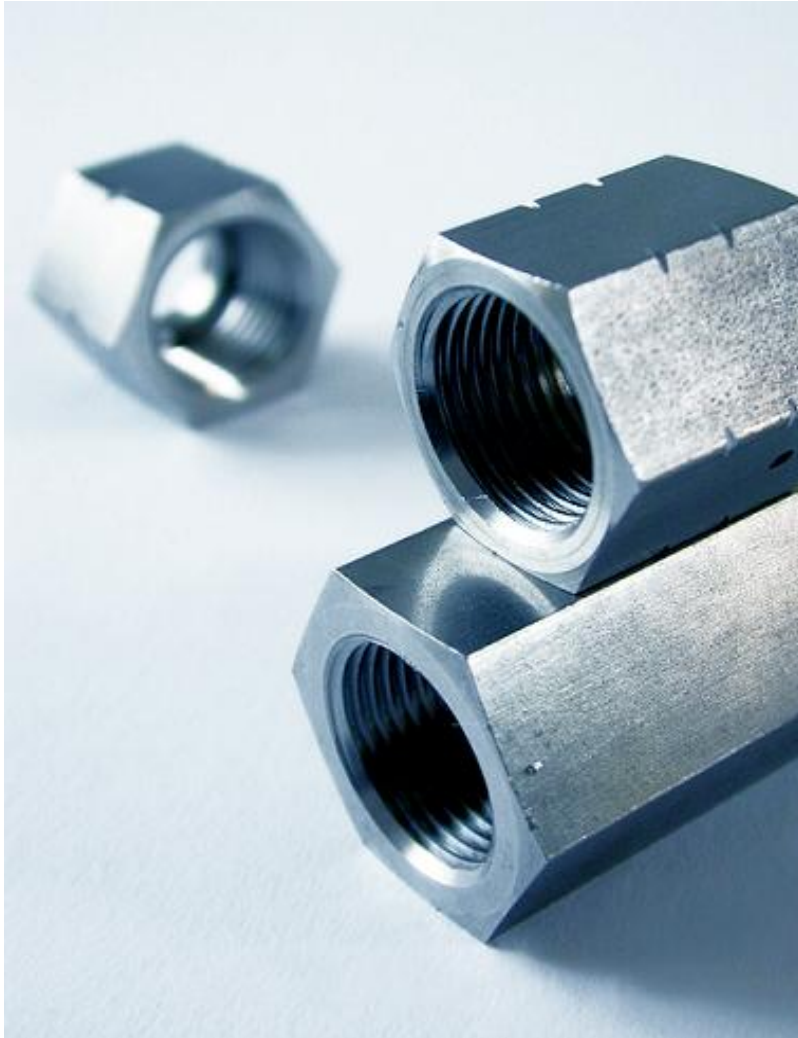
**Phone : 03 88 93 22 23**

**Fax : 03 88 93 22 24**

**Web : [www.spirstar.fr](http://www.spirstar.fr)**

**E-mail : [spirstar@spirstar.fr](mailto:spirstar@spirstar.fr)**

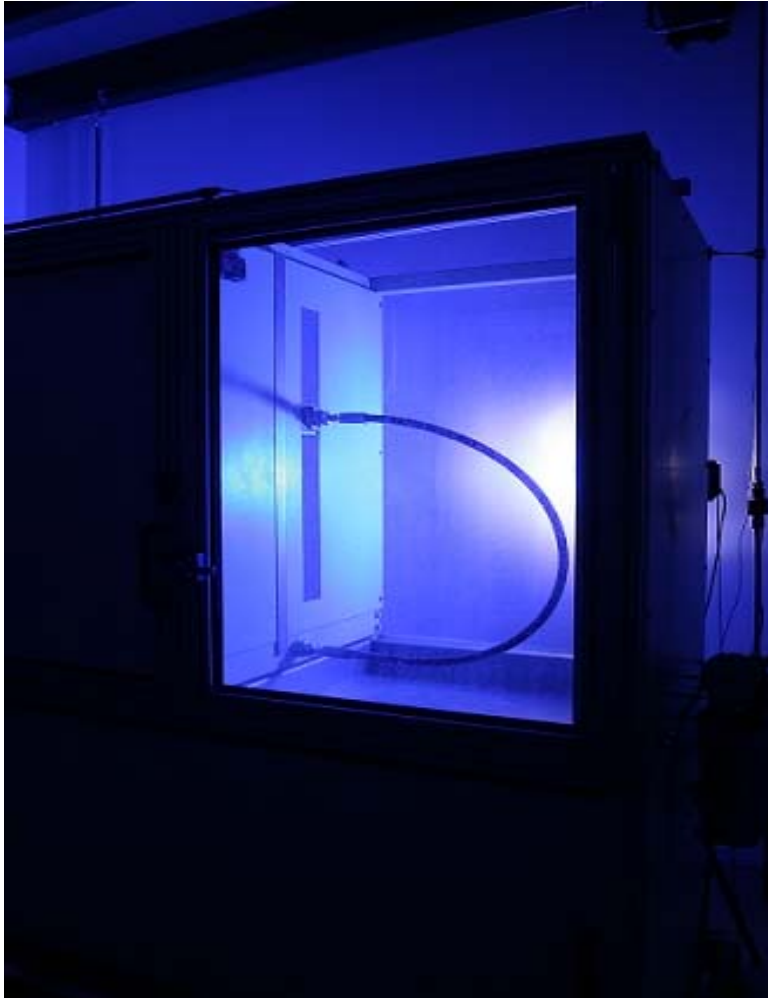
# General overview fitting range



- **More than 500 different fittings**
- **Material :**
  - Carbon Steel
  - Stainless Steel (AISI 303, AISI 316Ti, 17-4PH)
- **Variety of connections :**
  - DK (metric and BSP female swivel)
  - DKOS (metric female swivel with O-Ring heavy series)
  - HP-Fitting
  - Metric and BSP male
  - NPT and NPTF male
  - JIC
  - Type M

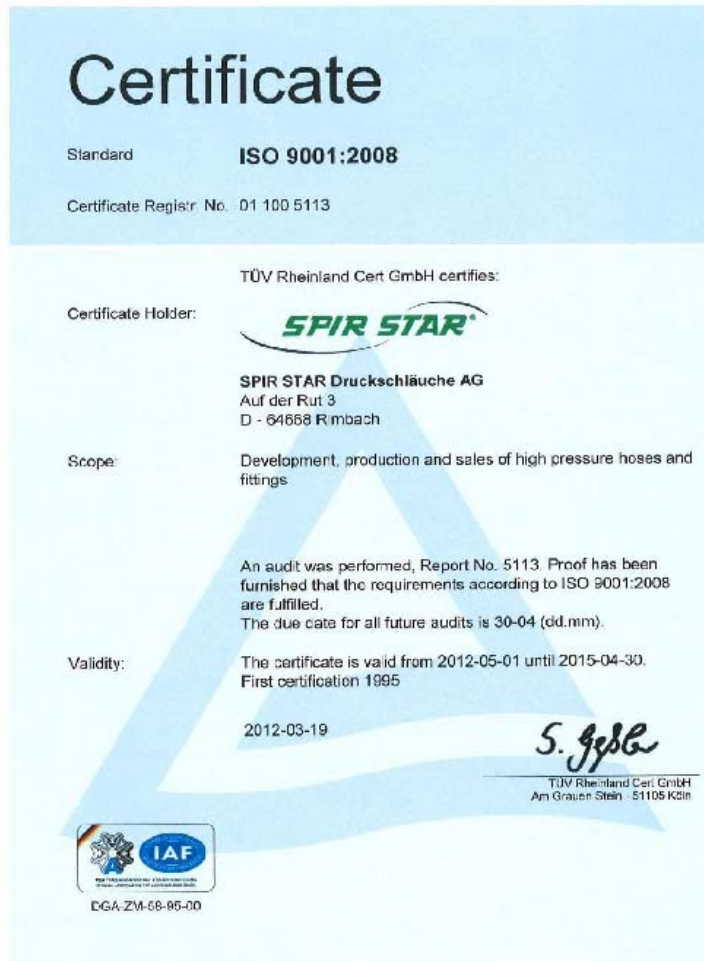


SPIR STAR hoses are qualified through rigorous testing at our facility.



## Test equipment for :

- Collapse pressure test
- Fitting retention test
- Burst test
- Leakage test (Offshore)
- Proof pressure test
- Impulse test
- Change in length test
- Volumetric expansion test



## Demands for the highest standards of quality and safety

- In-house test facility
- Testing of all hose assemblies at 1.5 times the working pressure
- DIN EN ISO 9001:2000 certification
- Traceability of materials
- Proven QM-System

# Advantages of thermoplastic hose



- Extremely high working pressures
- Up to 50% saving of weight
- High resistance against abrasion
- Low volumetric expansion
- Long lengths up to 4 500 m.
- High impulse resistance and long service life



