

# Safe transport of industrial gases

**SANHA**  
a perfect fit



Whether oxygen, argon, synthesis gas, hydrogen or simply natural gas - industrial organisations depend on the safe and economical transport of gases of all kinds. SANHA offers safe, solution concepts for all industries. Our press systems are an economical, faster and more efficient reliable alternative to conventional, labour intensive welded pipelines.

## Premium stainless steel against corrosion

The TIG welded stainless steel material 1.4404/316L contains at least 2.3 % molybdenum and has a lower carbon content than the conventional material 1.4401/316L which increases positive material properties against corrosion. It is therefore not only equivalent to this stainless steel, but is the best in its class, offering significantly higher corrosion resistance.



## NiroSan® | NiroSan® Gas

pipings system made of high-quality press fittings and stainless steel pipes, material 1.4404 / AISI 316L (stainless steel fittings) and 1.4408 (threaded parts, stainless steel investment casting). The system family is offered with sealing rings made of EPDM (black) and HNBR (yellow).

Compatibility with gas type					
	NiroSan®	NiroSan® Gas	Niro-Therm® <sup>1)</sup>	SANHA®-Press	SANHA®-Press Gas
Acetylene	• <sup>2)</sup>			• <sup>2)</sup>	
Argon	•		•	•	
Natural gas <sup>3)</sup>		•			•
Carbon dioxide	•		•	•	
Methane		•			•
Propane		•			•
Butane		•			•
Oxygen	•	•		•	•
Nitrogen	•		•	•	
Hydrogen	•		•	•	•
welding shielding gases	•		•	•	
Synthesis gas	•		•	•	

1) No requirement for gas purity

2) to medium pressure 1.5 bar

3) In accordance with DVGW worksheet G 260 incl. treated biogas

The **NiroTherm®** piping system consists of NiroTherm® TIG welded stainless steel material 1.4301/304 press fittings with a black EPDM (ethylene propylene diene rubber) gasket and NiroTherm® stainless steel pipes according to DIN EN 10312.



## SANHA® -Press | SANHA® -Press Gas



system press fittings made of copper and copper alloys for copper pipes according to EN 1057 or DVGW work-sheet GW 392 with black sealing ring (EPDM) or yellow sealing ring (HNBR) for flammable gases according to G 260

for internal gas pipes according to DVGW G 600 (TRGI) and DVGTRF 2012.