

# INOXRIVA®

STAINLESS STEEL CONNECTIONS TECHNOLOGY



## INOXRIVA®

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## COMPANY PROFILE

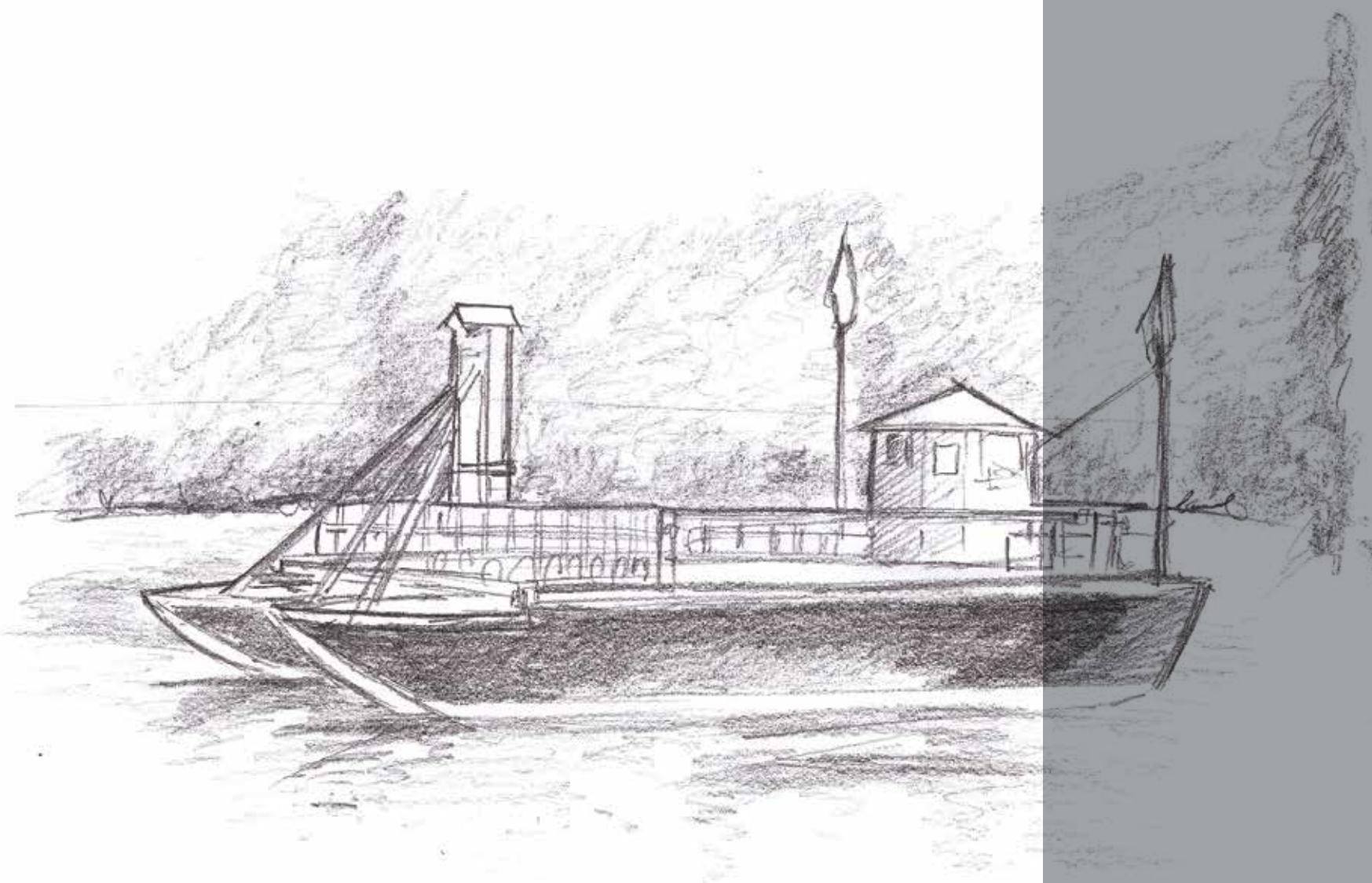


**INOX RIVA** has specialized in design, production and distribution of stainless steel components since 1992. Our products have been studied to control, direct and intercept fluids and can be used in various areas, from Oil&Gas to power, from chemistry to pharmaceuticals, in hydraulics and in applications for laboratory research.

**INOX RIVA** has developed from a very consolidated family tradition, with more than 40 years of history in the field of fittings and connections for liquids and gases. Our products can face the hardest working conditions in terms of pressures and temperatures.








**INOX RIVA** is an organised company according to a certified management manual of procedures in compliance with ISO 9001:2008. All internal procedures are conform to the latest standards that regulate the process to safeguard the environmental protection and pollution control.

**INOX RIVA** has specialized in the production of own brand quick connections for medium and high pressures, screw-quick connections, check valves, needle valves, as well as having developed a line of threaded connections and fittings for medium and high pressures. All our products are 100% "Made in Italy", made in Stainless Steel and are available in special alloys.





## APPLICATION FIELDS

-  AUTOMOTIVE AND ALTERNATIVE FUELS
-  SHIPYARDS
-  CHEMICAL - PETROCHEMICAL AND PHARMACEUTICALS
-  ENERGY
-  GENERAL INDUSTRY
-  OIL & GAS
-  FIRE PROTECTION AND SAFETY



We design, manufacture and recommend to our customer a complete range of components and devices that apply in various fields.

## ENGINEERING AND PRODUCTION



For three generations, our technicians, with passion, determination and knowhow have dedicated their skills towards our customers.

Many years of experience allow us to design components and tailor-make solutions for our customers right from the initial phase; from the definition of the technical specifications up to the desired performance or final product.

Customer's requirement is transformed into a design process, which is finalized with in-house testing according to agreements taken during initial phase.

**INOX RIVA** is at customer disposal for any support during the assembly phase, making use of the most modern technologies and long-standing experience of our personnel.



QUICK CONNECT COUPLINGS

HIGH RESISTANCE RADIAL BALLS LOCKING MECHANISM

Quick connect couplings according to ISO 7241.



- STANDARD MATERIALS:** Stainless Steel AISI 316/L, Brass
- PRESSURE RATING:** Up to 300bar - 4.350psi - 30 MPa
- STANDARD DIMENSIONS:** From 1/8" to 2"
- STANDARD CONNECTIONS:** Female threaded NPT - Female threaded BSPP ISO 228
- ACCESSORIES:** Protection plugs and caps made of plastic or aluminum
- SPECIAL MATERIALS:** On request available in Duplex and Special Alloys
- INTERCHANGEABILITY:** ISO 7241 Series A, ISO 7241 Series B
- OPTIONS ON REQUEST:**  
Available with different connection, available in "Full Flow" series, available with safety sleeve



SCREW COUPLINGS

SAFE SCREWED SLEEVE MECHANISM

High pressure screw connect couplings.



- STANDARD MATERIALS:** Stainless Steel AISI 316/L
- PRESSURE RATING:** Up to 700 bar - 10.000 psi - 70 MPa
- STANDARD DIMENSIONS:** From 1/4" to 2"
- STANDARD CONNECTIONS:** Male or Female threaded NPT - Male or Female threaded BSPP ISO 228 - Male threaded Metric according to ISO 8434-1 (Series L / S)
- ACCESSORIES:** Protection plugs and Caps made of plastic or aluminum
- SPECIAL MATERIALS:** On request available in Duplex and Special Alloys
- INTERCHANGEABILITY:** ISO 14541 for IRW series, other brands for IRK series
- OPTIONS ON REQUEST:**  
Available with different connection, available in "Full Flow" series





Flat Face couplings according to ISO 16028.



**STANDARD MATERIALS:** Stainless Steel AISI 316/L

**PRESSURE RATING:** Up to 300 bar - 4.350 psi - 30 MPa

**STANDARD DIMENSIONS:** From 1/4" to 2"

**STANDARD CONNECTIONS:** Female threaded NPT - Female threaded BSPP ISO 228

**ACCESSORIES:** Protection plugs and Caps made of plastic or aluminum

**SPECIAL MATERIALS:** On request available in Duplex and Special Alloys

**INTERCHANGEABILITY:** ISO 16028 for IRZ series, other brands for IRSA series

**OPTIONS ON REQUEST:**

IRSA Series available for challenging and demanding applications with liquid and gases up to 350 bar, 5.000 psi - 35 MPa



Robust and accurate series of Needle and Check Valves for liquids and gases.



**STANDARD MATERIALS:** Stainless Steel AISI 316/L

**PRESSURE RATING:** Up to 700 bar - 10.000 psi - 70 MPa

**STANDARD DIMENSIONS:** From 1/8" to 2"

**STANDARD CONNECTIONS:** Female threaded NPT - Female threaded BSPP ISO 228

**SPECIAL MATERIALS:** On request available in Duplex and Special Alloys

**OPTIONS ON REQUEST:**

Available with different connection, available with Oxygen cleaning service, available with various seals combinations and metal to metal seal for extremely high temperature



FITTINGS

THREADED FITTINGS WITH 60° CONE

High pressure threaded fittings and adapters according to ISO 8434-6 and BS 5200.



- STANDARD MATERIALS:** Stainless Steel AISI 316/L
- PRESSURE RATING:** Up to 500 bar - 7.250 psi - 50 MPa
- STANDARD DIMENSIONS:** From 1/8” to 2”
- STANDARD CONNECTIONS:**  
BSPP ISO 228 - BSPT EN 10226-1 - NPT - METRIC - UNF
- SPECIAL MATERIALS:**  
On request available in Duplex and Special Alloys
- INTERCHANGEABILITY:** ISO 8434-6 - BS 5200

**OPTIONS ON REQUEST:**  
Available with different connection, available with Oxygen cleaning service, available up to size 3”.

FITTINGS

FORGED SERIES

High pressure fittings and adapters according to ASME B.16.11 and BS 3999.



- STANDARD MATERIALS:** Stainless Steel AISI 316/L
- PRESSURE RATING:** Up to 420 bar - 6.000 psi - 42 MPa
- STANDARD DIMENSIONS:** From 1/8” to 2”
- STANDARD CONNECTIONS:**  
Threaded NPT - SW (Socket Welding)
- SPECIAL MATERIALS:**  
On request available in Duplex and Special Alloys
- INTERCHANGEABILITY:** ASME / ANSI B.16.11 - BS 3999

**OPTIONS ON REQUEST:**  
Available with different connection, available with Oxygen cleaning service, available up to size 4”.

FITTINGS

THREADED FITTINGS 10.000 PSI - PN 700 SERIES

Robust high pressure threaded fittings and adapters up to 700 bar.



- STANDARD MATERIALS:** Stainless Steel AISI 316/L
- PRESSURE RATING:** Up to 700 bar - 10.000 psi - 70 MPa
- STANDARD DIMENSIONS:** From 1/8” to 1”
- STANDARD CONNECTIONS:**  
Threaded NPT - Threaded BSPP ISO 228
- SPECIAL MATERIALS:**  
On request available in Duplex and Special Alloys

**OPTIONS ON REQUEST:**  
Available with different connection, available with Oxygen cleaning service, available up to size 1.1/2”.

FITTINGS

SPECIAL FITTINGS AND ADAPTERS

A tailored solution of not-standard fittings and adapters, designed on customer request.



- STANDARD MATERIALS:** Stainless Steel AISI 316/L
- PRESSURE RATING:** Up to 700 bar - 10.000 psi - 70 MPa
- POSSIBLE DIMENSIONS:** Up to size 2”
- POSSIBLE CONNECTIONS:**  
Threaded according to any standard or based on customer’s sample, Socked Welding, Butt Welding
- SPECIAL MATERIALS:**  
On request available in Duplex and Special Alloys

**OPTIONS ON REQUEST:**  
Available with Oxygen cleaning service, available up to size 3”.



# PACKAGES MATERIAL SERVICE

## INSTRUMENTATION AND PROCESS EQUIPMENTS

For more than 20 years INOX RIVA has learned from customers and regulation to select and supply the most effective products and services.

Now our solutions include the international sourcing services, both for Instrumentation and Process components.

**Tubing, compression fittings, instrumentation valves and manifolds, gauge and monoflange valves, air distribution pots, syphons and gauge protectors, filters,** etc.. are just a few of the possible package solution for instrumentation.

And again, **pipes, BW and SW fittings, flanges, ball valves, seal pots, stud bolts and flange seals** are additional example of our packages material service, which is integrated with complete certificates management, full packaging on customer specs, and final handling of domestic and international shipping services. All our activities are monitored according to our well established quality management system, always updated according to the latest revision of **ISO 9001 standard**.



- ✓ PACKAGE SOLUTION FOR INSTRUMENTATION
- ✓ PACKAGE SOLUTION FOR PIPING

## STANDARD PACKAGE SERVICE

Instrumentation components for liquid and gases, Process components for liquid and gases up to size 6"

**PRESSURE RATING:** Up to 700bar - 10.000psi - 70 MPa

**OPTIONS:**  
Available with Duplex and special alloys





# HOSES

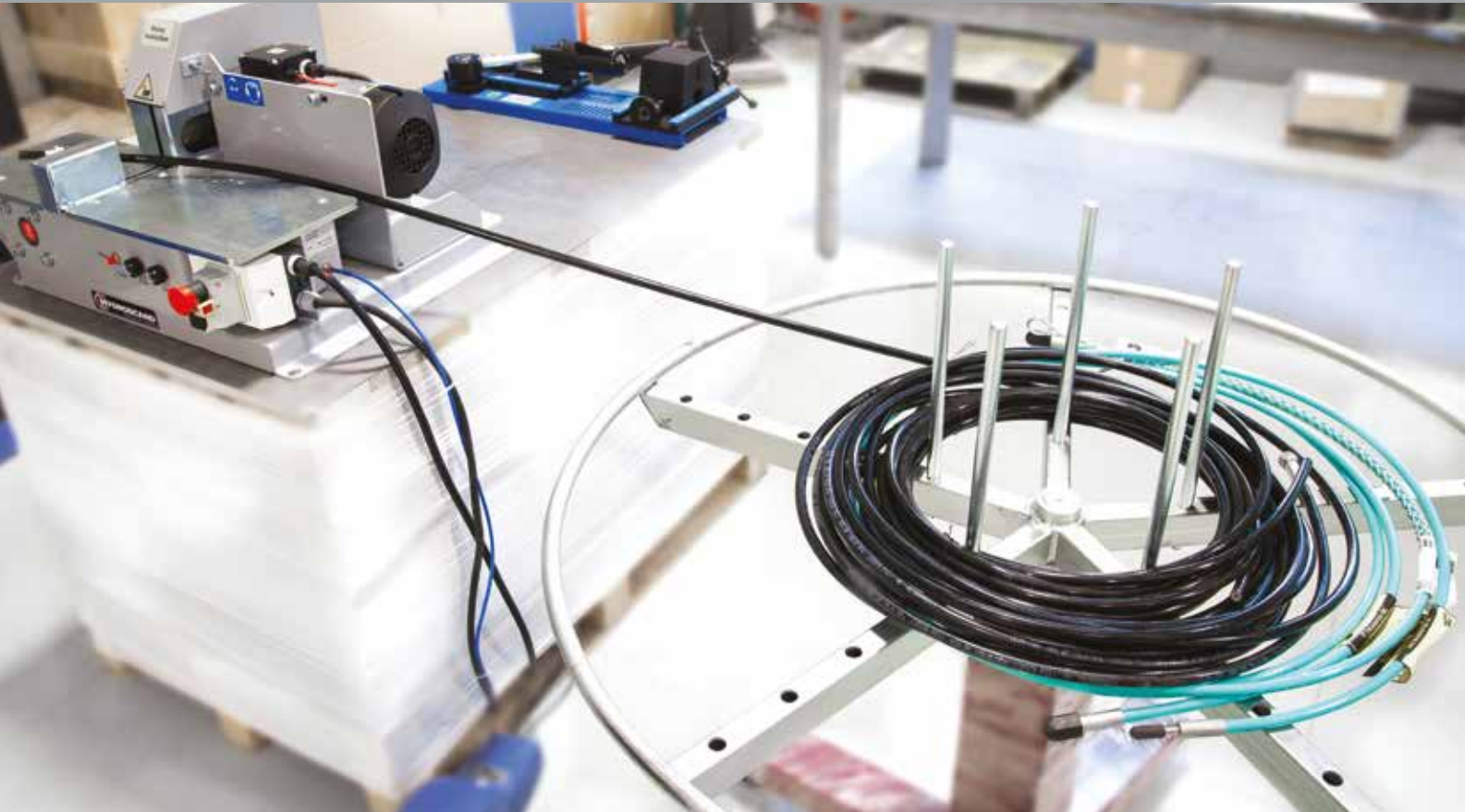
## HOSE ASSEMBLIES AND HOSE FITTINGS

INOX RIVA is able to supply a wide range of hose assemblies and hose fittings, which are suitable for various applications with liquids, gases in hard conditions of temperatures and pressures.



Thermoplastic multi spiral hoses, thermoplastic hoses, PTFE hoses, rubber multi spiral and compact braided hoses, full stainless steel hoses can be supplied according to customer requirements in any configurations, and equipped with state of the art safety accessories for handling pressures up to 2800 bar.

INOX RIVA Hose fittings are manufactured in stainless steel grade AISI 316/316L, designed and tested with the most stringent requirements of leading manufacturers of high quality hoses.



MAIN HOSE STANDARDS	SAE 100R - SAE J - ISO EN 853/854/855/856/857
HOSE FITTINGS MATERIALS	Stainless steel AISI 316/L
PRESSURE RATING	Up to 2800bar - 40.600psi - 280 MPa
STANDARD DIMENSIONS	From 1/8" to 2"
POSSIBLE CONNECTIONS	Threaded according to any standard, flanged, or based on customer's design
OPTIONS ON REQUEST	Available a wide range of safety accessories for hose assemblies



# SYSTEMS

## TURN-KEY SYSTEMS AND CONTROL PANELS

INOX RIVA is able to provide a "Turn-Key" service of supply for connected systems on skids or cabinets, control panels for devices and machines, and hydraulic power-pack for pressure generation.

Over the years we have developed specific skills that allow us to offer customized and dedicated solutions to the most **demanding engineering requests**.



We are able to offer supports, panels and frames made entirely of stainless steel and instrumentation assembled in cabinets or consoles.

### STANDARD FRAME MATERIALS

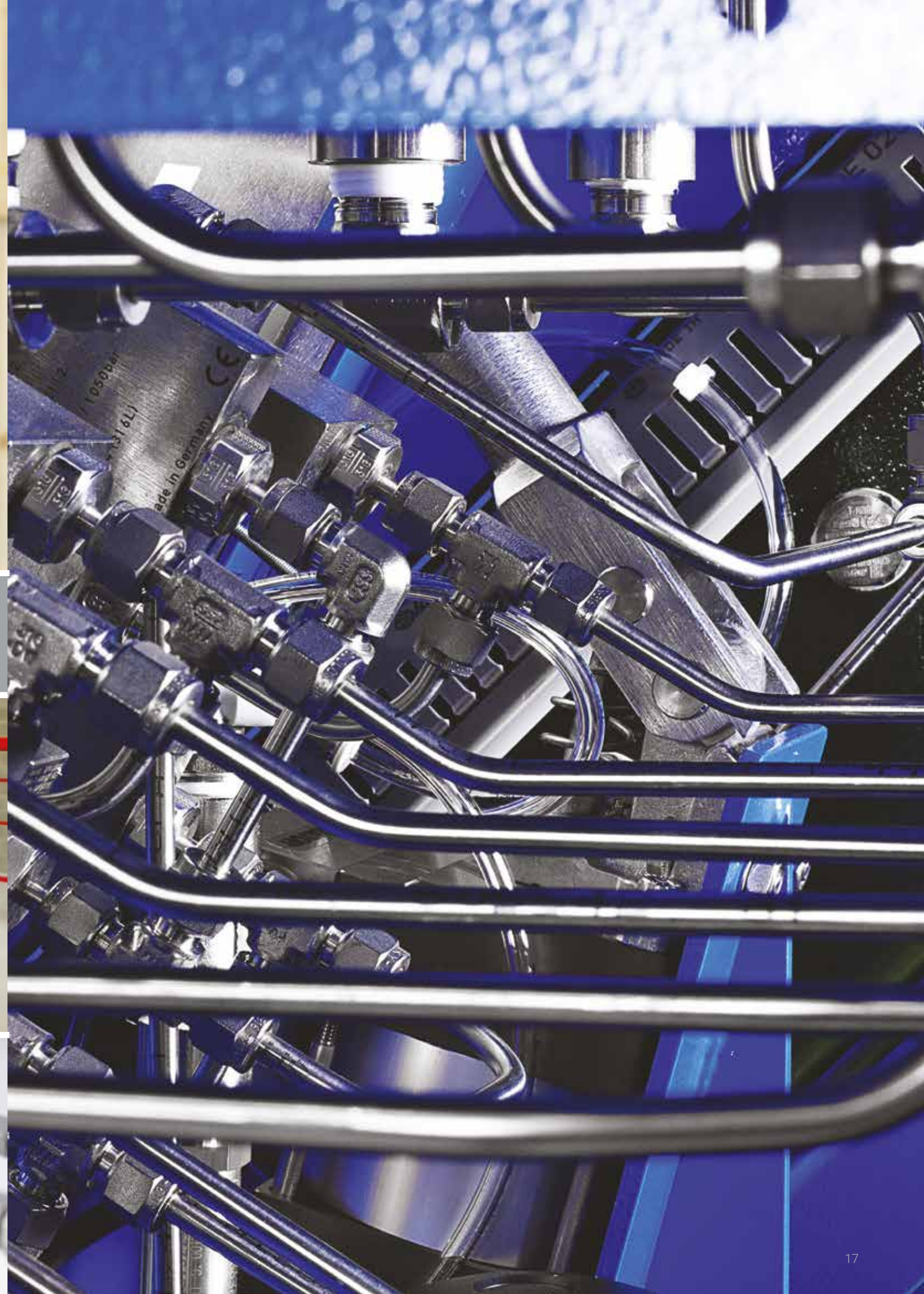
Stainless steel AISI 304 - AISI 316

### PRESSURE RATING

Up to 4.500bar - 65.000psi  
450 MPa

### OPTIONS

Taylor made solutions according to  
customers specifications







## SERVICE

### KANBAN MANAGEMENT

Thanks to investments in its information system and the continuous staff training, INOX RIVA introduces itself as a reliable partner for customers who have deployed their supply chain with Kanban management. **Kanban**, "card", is a Japanese term that represents a system of production management that is increasingly present in modern production facilities. The "card" usually indicates the type of material

used for a process, and is affixed to a container that is restocked once emptied. The real-time flow of supply avoids warehouse stocks and the costs involved. The service is a group of methodologies aimed at improving the production process of the customer, who is trying to optimize not only the production but also the beginning stages, and to lighten the maximum stocks of raw materials needed for production.

### DEGREASING FOR OXYGEN USE

Thanks to the experience gained over the years, INOX RIVA is able to offer on the market the supply of degreased components for applications with **Oxygen** enriched atmospheres.

All products supplied "**Oxygen Cleaned**" are rigorously processed according to the strict specifications of manufacturers, and are supplied according to applicable standards.

Special cleaning for  
**OXYGEN**



### OUR PARTNERSHIPS IN ITALY



## SUPPORT

### A CERTIFIED COMPANY

#### NATO

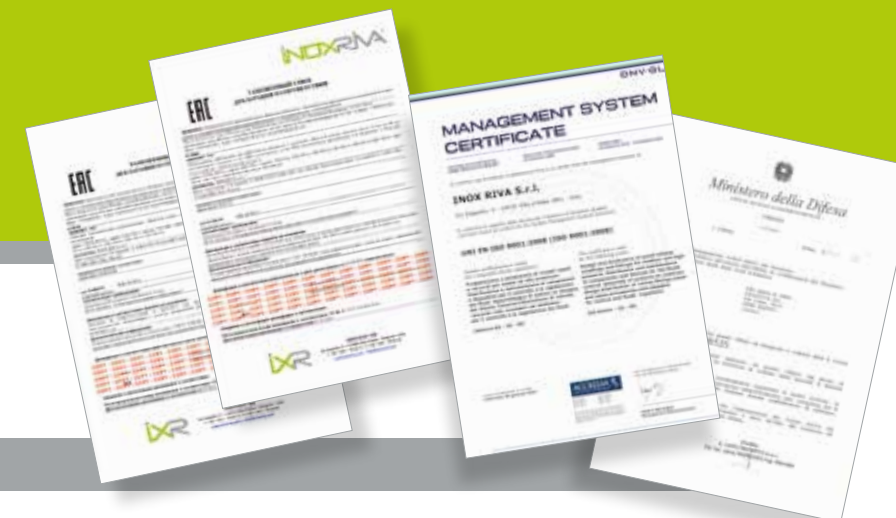
As a consequence of a significant contract with the Italian Navy, INOX RIVA obtained the prestigious NATO certification for the supply of accurate Screw Couplings for medium and high pressure applications.

#### EAC

**Eurassec** means "community of the Euro-Asian countries" and regulates the free movement of goods within the territories of Russian Federation, Kazakhstan, Belarus and Armenia. INOX RIVA has already secured all necessary certificates TR/TC for the range of check valve, and is committed to obtain the necessary certifications for many other products.

#### ISO 9001

Since ever INOX RIVA has continuously improved its procedures and processes, and has obtained the **ISO 9001** certification with a constant commitment of full customer satisfaction.



### [www.inoxriva.com](http://www.inoxriva.com)

Our vertical website is dedicated to assist customers in a rapid and efficient search of solutions and products. Constantly updated in news and loaded of multimedia contents we're really committed to grow [inoxriva.com](http://www.inoxriva.com) as the perfect tool for customers, partners and institutional visitors.



### FULL SUPPORT TO PARTNERS AND DISTRIBUTORS

Our constantly trained sales network is informed about the latest revisions of international standards. Since ever we are proud to offer complete training services to qualified personnel, and to support installers and end-users in order to assure the most efficient and safe use of tube fittings and valves for high pressure.

