



FEBRUARY 2021

Rhinox: A Company Bringing
Triple Press
Connection Technology





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Rhinox is a globally operating company that is based in Washington. The company is known as the world's leading stainless steel pipes and press fittings manufacturer. Rhinox is referred to as a driving force behind the technological advancements in the field of press fitting connections. We are driven by the passion for innovation and technology. We use American Precision Technology and offers high-quality stainless steel products and press fittings. The Rhinox press fitting connections is utilized for various applications in cold water, hot water, treatment of water, gases, petroleum, chemical and other pipeline systems. The press fittings deliver high-performance and are considered suitable for extremely high pressures and temperatures. With the press fittings manufactured by Rhinox, a perfect connection is delivered within seconds.

Rhinox Press Systems: Always the Right Connection

Even after so many years, at Rhinox, innovation and entrepreneurial vision are given more attention than ever before. Rhinox has a worldwide reputation for innovations that set standards. The company is also known for offering intelligent solutions for the global challenge of operating hygienic drinking water systems.

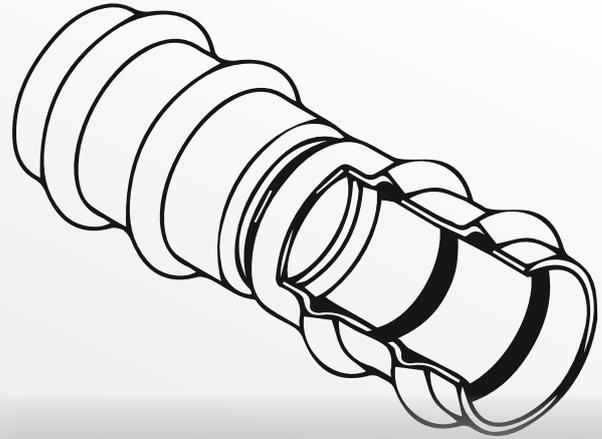
Rhinox: The Constant Driver of Growth

Rhinox is leading the way in press technology. The company offers numerous practical solutions for the areas of drinking water, gas, heating and other applications. The press fittings technology guarantees some clear benefits. The connections are pressed in fraction of seconds and are permanently secured.

Rhinox In-House Working Department

We are known for offering:

- Double seal triple press connection manufactured with American Precision Technology
- Uniform designs and dimensions customized to meet the demands of the customers
- Low thermal expansion coefficient capable of high temperatures as well as high pressures



Revolution in the field of Press Fittings:

VV Press Connection Technology

When it comes to the development and application of connection system, it is entirely based on the connection technology. In the pipeline system, pipe connection is considered as the most significant part.

There is always a lot of discussion about which profile is better M or V?

For general plumbing installations, the criterion of performance is similar. However, there is some dissimilarity in higher end performance of each profile.



Optimism for us is the basis of achievement

After long time of innovation and engineering, we have founded that single-press pipe fittings, double press pipe fittings and pressure pipe fittings belongs to a single ring.

We found out the following weaknesses in the practical application of the press fittings:

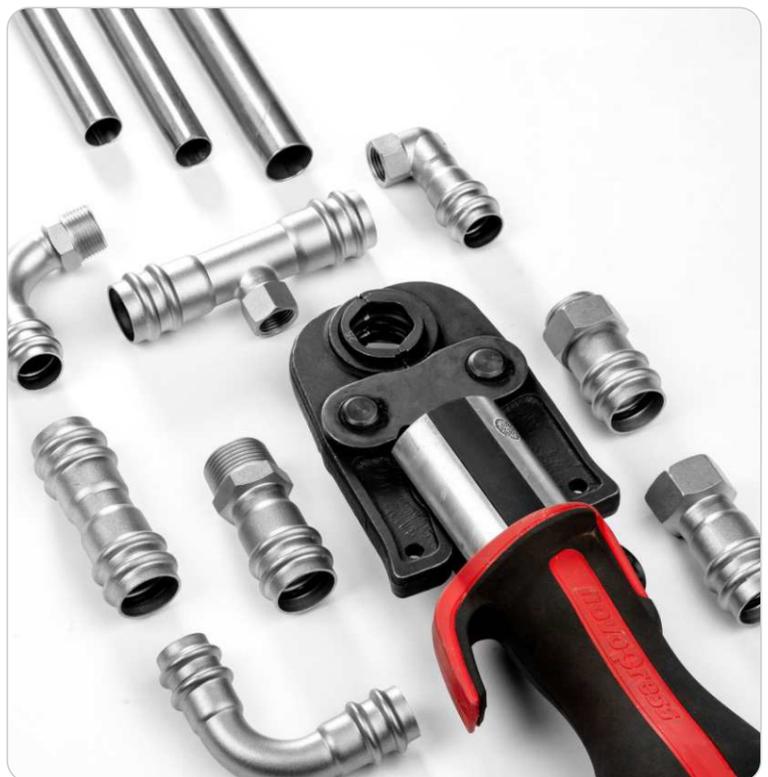
Tensile strength is not enough
Some mistakes can be committed by the installation workers on site
Reliable sealing property of rubber ring is not enough

With experimental data and extensive research and development, Rhinox developed the futuristic triple-press connection technology. After years of exploration, experiment, testing, etc., in July 2014, Rhinox came up with futuristic stainless steel 316 L grade triple press fittings. The product is a revolution in the stainless steel pipe connection technology that is known for solving the existing problems related to the shortages of all kinds of safety and reliability.



VV Profile EN 1.4404 Press Fit System

Unique and modern machinery is used to manufacture the stainless steel pipes and press fittings. Our completely automated factory guarantees the high-quality and customer-safe products. We offer complete solution with great flexibility. The VV Press System manufacture by Rhinox consists of fittings, pipes, O-Rings, and Tools.



Rhinox Press Fittings System: A Unique System for Maximum Safety & Durability



In systems like gas, drinking water or sanitary water, the preservation of high-quality standards in the long term is the most fundamental factor. The systems have to last and keep the performance effective even after many years after they are installed. Also, drinking and sanitary water systems should possess high-purity levels during the installation tests as well as over time.

In order to prevent impurities and unsanitary conditions, it is imperative to have installations with high-quality materials and technical solution for pipes and fittings.

Rhinox knows that it is significant to comply with the requirements of purity and reliability. We offer a complete range of stainless steel press fittings.

Why to choose Rhinox Triple Press Fittings?

Rhinox pressing system is an excellent solution for many types of applications like water, gas, heating, cooling, and compressed air, solar and other special installations.

Seamless Integration with Triple Press Technology

The Rhinox press fittings system ensures reliability and durability of the joint as well as the fittings. With the help of O-ring, it becomes easier and safer for coupling the pipe. Joints without any burns and halos provide a pleasing appearance.



Triple Press Fittings- Higher Speed of Installation

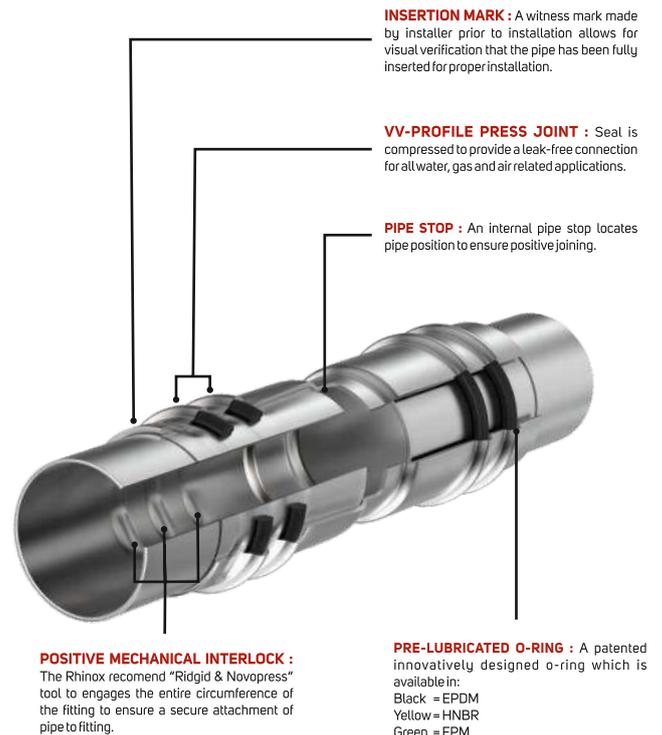
Triple Press Fittings- Higher Speed of Installation The speed of the execution of the press fitting system allows time saving and enhanced labor productivity. The system offers inevitable economic benefits.

More Safety with Triple Press Fittings

The main purpose of Rhinox stainless steel press fitting system is to ensure reliability, security, stability, and durability. The main focus is to provide quick as well as simple solution for safe installations. All these advantages are ensured by the Rhinox pressing technique.

The special profile VV Press Fittings consists of double O-Ring with VV shaped grooves and 5 stage pressing. This special profile offers extraordinary safety function with double-edge. If the fitting remains un-pressed, the sealing ring allows the outflow of water drops and indicates un-pressed location.

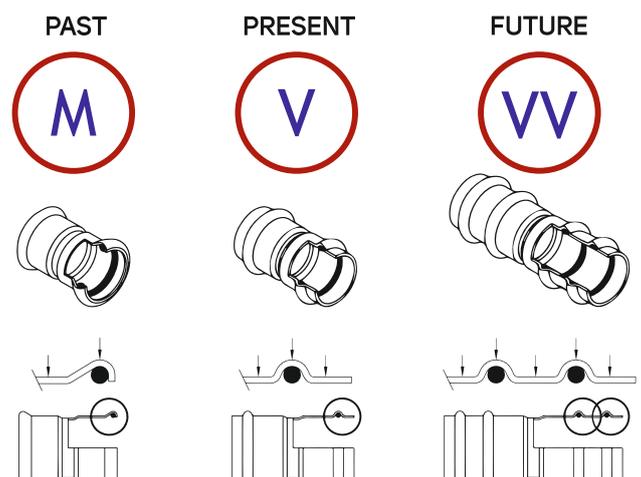
The triple press connection system delivers the best result and is suitable for concealed location behind concrete wall or when laid underground.



Understanding the differences between M, V and VV Press Fittings

The M Profile fitting allows for 2 press joints, the V profile fitting allows for 3 and VV profile fitting allows for 5 press joints. This has a dramatic effect on the entire security and pressure rating of the actual joint,

When it comes to the maximum safety in any kind of installation, VV Press Fittings are the most reliable connection.



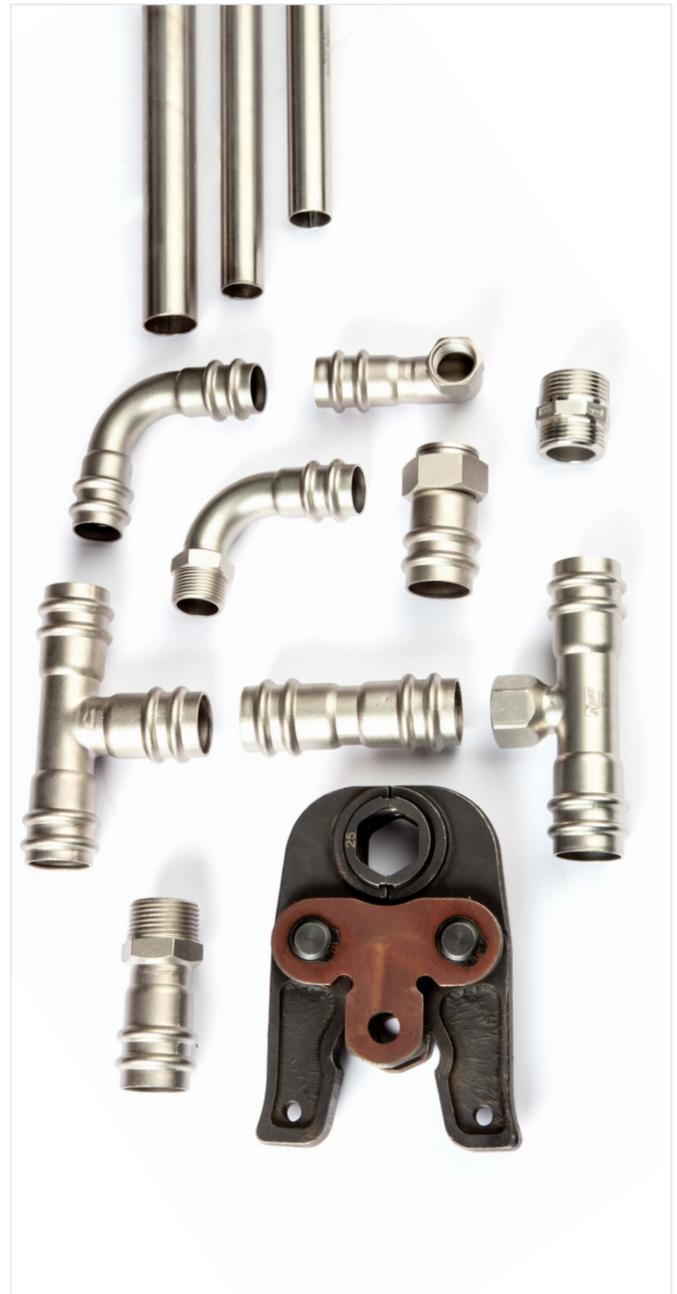
4th Generation Pipe-Fitting Connection

The double O-Ring creates a mechanical connection between pipes and fittings. The O-Ring is pressed permanently into the pipe. During the process of pressing, pressure is applied on the fittings for 5 angles which further results in the robust formation of the O-Ring bead.

The Rhinox VV Press Technology system has maximum pipe length. During the pressing sequence, the sealing ring is given a precise and a pre-defined shape. During the entire process, the ring absorbs additional energy for permanent and reliable tightness.

The Triple Press Connection System- Value Added & High Performance

The triple press connection system (VV Press Fittings) are designed to save time, labor and inventory. The VV Press Fittings are specifically designed to withstand the stresses and mechanical forces.



Rhinox- Bringing Revolution in the Stainless Steel Industry

We stand out for the attention and services delivered to our customers, and after sales services thanks to our constant research of dedicated solutions. We have a tight-knit and trained team answering in real-time to our customer requirements. We guarantee high-quality products by cooperating only with certified suppliers. Our qualified project management team supervises each and every development step effectively and efficiently.



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Stay Connected! We are here for you!

Are you facing any concerns related to selection of material or right grade of stainless steel, maintenance and fabrication difficulties, or sourcing of material?

We are here for you to provide the support and revert with the necessary details required.

Our technical and commercial experts will get in touch with you.

Contact us at:

 www.rhinoxusa.com

 contact@rhinoxusa.com

