

Viega Seapress

The press system especially
for shipbuilding.



viega



Viega.

A BETTER IDEA!

Some things last

Even more than 120 years later. At Viega, innovation and entrepreneurial vision are now more alive than ever before – these success factors date back to the company founders. With more than 4,000 staff worldwide at nine locations, Viega is constantly working on becoming even better.

Quality made in Germany

Is taken seriously at Viega. Computer-controlled, automated production and up to five quality checks ensure reliable quality and maximum safety. The result: over 17,000 products for almost every type of application.

Always a fitting solution

This is made possible by the extensive modular concept. In particular in the case of the press systems, Viega relies on a comprehensive product range and covers nearly all fields of use – no matter how specific it is.

Shipbuilding as a special use

CHARTING THE RIGHT COURSE WITH VIEGA.

Areas of use such as shipbuilding and other offshore systems place particularly high demands on the safety, quality and reliability of pipe systems. The continual contact with seawater conceals a high risk of corrosion for the material and, at high sea, there are not normally any shipyard personnel around to carry out any possible repairs. For this reason, the perfect solution is a system which is not only developed to meet the high materials demands but can also be installed easily, safely, cleanly and quickly.

With Seapress, Viega offers a press system especially for shipbuilding, which satisfies these demands. Installation is carried out using the cold Viega press technology. Soldering and welding are things of the past – just like the necessity of a fire-watch. In addition, Viega Seapress can be installed directly on-site and under the most difficult conditions, alongside other assembly sections,

by just one single person, without any time-consuming blocking out. Repairs and expansions can also be carried out directly at sea without any shipbuilding personnel present. Ideal prerequisites to ensure you always stay on course with your shipbuilding.



Cooling systems



Sprinkler systems



Fire extinguishers



Fresh water



Bilge/ballast systems

Viega Seapress

ABLE TO WITHSTAND HIGH PRESSURE, EVEN IN THE DEEPEST WATERS.

Countless ships are underway on the world's oceans each day, transporting people and products safely from one harbour to the next. All the more important that these ships withstand the high demands and seawater-bearing installations are designed accordingly. With Seapress, Viega offers a press system especially for shipbuilding.

The right material

Pipe systems which come into contact with seawater must satisfy the highest demands. The solution: Viega Seapress CuNiFe90/10. The corrosion-resistant copper-nickel-iron alloy of the press connectors is manufactured in accordance with international standards and fulfils the following standards, among others:

- ASTM-B-466 C70600
- MIL-T-16420K C70600
- BS 2871 CN 102
- EEMUA 144 UNS 7060x
- JIS H3300 C7060T
- DIN 17664/17671 2.0872
- DIN 86019 2.1972

Quick connecting

The tried-and-tested Viega press technology makes it possible to install pipe systems particularly quickly and safely. Depending on the dimension, Viega Seapress can create savings in assembly time of between 30 and 70 %.

Guaranteed licence

Viega Seapress is recognised and licensed for all Class III applications in accordance with the regulations of the IACS. As well as seawater and demineralisation systems, this also includes fire extinguishers, sprinkler systems, compressed air, bilge and ballast systems as well as fuel and lubricant pipelines. As a result, the maximum security is guaranteed during the installation and operation as well as on paper.

Correctly sealed

All connectors are equipped with the tried-and-tested EPDM sealing element. This allows a wide range of use from -20 °C to 110 °C, and up to 16 bar in pressure. Depending on the application, the sealing element can also be replaced by an HNBR or FKM sealing element without any problems.



The extensive Viega Seapress range includes parts in dimensions ranging from 15 to 108 mm.

Always fitting

Whether for private yacht or large oil tanker – all connectors are available in dimensions ranging from 15 to 108 mm. This means the system covers a multitude of applications in shipbuilding and allows all demands to be satisfied.

DN	Dimensions d x s [mm]	Weight [kg/m]
12	15 x 1.0	0.39
20	22 x 1.0	0.59
25	28 x 1.5	1.11
32	35 x 1.5	1.40
40	42 x 1.5	1.70
50	54 x 1.5	1.80
65	76.1 x 2.0	4.14
80	88.9 x 2.0	4.87
100	108.0 x 2.5	7.37



ADVANTAGES AT A GLANCE

- Seawater-resistant press system especially for shipbuilding
- Corrosion-resistant copper-nickel-iron alloy CuNiFe90/10
- Fulfils all standards and has all the necessary licences
- Assembly time savings of up to 70 %
- Cylindrical pipe design and double press action for greatest possible security
- Extensive range in dimensions ranging from 15 to 108 mm



American Bureau
of Shipping



Bureau
Veritas



DNV/GL



Lloyd's
Register



Nippon Kaiji
Kyokai



Registro Italiano
Navale

Viega press systems

SEA-WORTHY MATERIALS
FOR ALL CONNECTIONS.

As not every pipeline in shipbuilding will necessarily come into contact with seawater, CuNiFe is not always a mandatory requirement below deck. Viega is able to supply numerous approved press connector systems for use in shipbuilding, from its proven Viega Profipress connectors to Sanpress Inox, Raxofix and Megapress.



Viega press systems	Silicon bronze with multi-layer pipe Raxofix 16–63 mm	CuNiFe Seapress 15–108 mm	Copper Profipress 12–108 mm	Stainless steel Sanpress Inox 15–108 mm	Steel Megapress ¾ inch to 2 inch
Freshwater					
Fresh-cooling water pipelines	x	x	x	x	x
Fire extinguisher pipelines		x	x	x	x
Sprinkler pipelines		x	x	x	x
Hot/Cold water pipelines	x	x	x	x	
Seawater					
Bilge water		x			
Seawater fire extinguisher pipelines		x			
Foam extinguisher pipelines		x			
Sprinkler systems		x			
Ballast water pipelines		x			
Sea cooling water systems		x			
Tank cleaning pipelines		x			
Non-essential pipelines		x			
Flammable liquids*					
Freight oil pipelines		x	x	x	x
Fuel oil pipelines		x	x	x	x
Lubricant pipelines		x	x	x	x
Hydraulic pipelines		x	x	x	x
Diverse					
Heating	x	x	x	x	x
Compressed (working air) 2–4 bar	x	x	x	x	x
Condensation		x		x	

* For combustible liquids, the sealing element must be replaced.

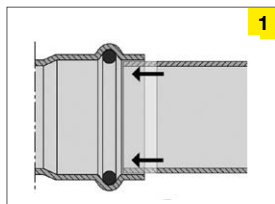
Viega Seapress

SAFETY ON-BOARD.

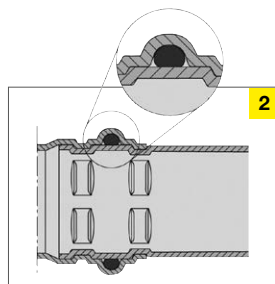
As well as all the important certificates and high material quality, Viega Seapress also scores points with its installation technology. It combines cold press technology with additional advantages, such as cylindrical pipes and double pressing – giving it a clear edge in comparison with other techniques.

Safe from the very first moment

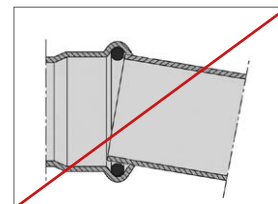
To protect the sealing element and ensure absolute safety, the Seapress connectors have a cylindrical pipe guide (Fig. 1). This prevents the pipes from being slid onto the connector in an inadvertently skewed manner, damaging the sealing element. In addition, it guarantees that the connector and pipes sit straight and can be pressed safely.



The cylindrical pipe guide guarantees a straight and secure position of the pipe and connector.



For each press process, the pipe and connector are force-fitted with one another in front of and behind the sealing element.



Without the cylindrical pipe guide, the pipe can twist and damage the sealing element.

Double pressing holds better

Viega does not compromise when it comes to safety. For this reason, the Viega press tool presses each join twice – both before and behind the sealing element (Fig. 2). This means the connection is permanently sealed, longitudinally force-locked and secured against rotation.



Even hard-to-reach connections can be easily pressed with the Viega press rings and hinged press jaws.

Safely connected

Comfortable, secure and quick work is guaranteed with the Viega Pressgun 6 Plus. With its low weight of just 3.2 kg and the reduced dimensions, the press machine can be easily handled, while offering the maximum performance. Its infinitely rotatable jaw fixture takes just seconds to press connectors measuring from 12 to 108 mm – and it can do all of this 42,000 times over before maintenance is required.



The Pressgun 6 Plus ensures a permanent, sealed connection with every press process.



The products are supplied in robust cases, with either a battery or mains adapter.



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