

BRASS PRESS FITTINGS



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4 BRASS PRESS FITTINGS

4.1 Brass press fittings - standard

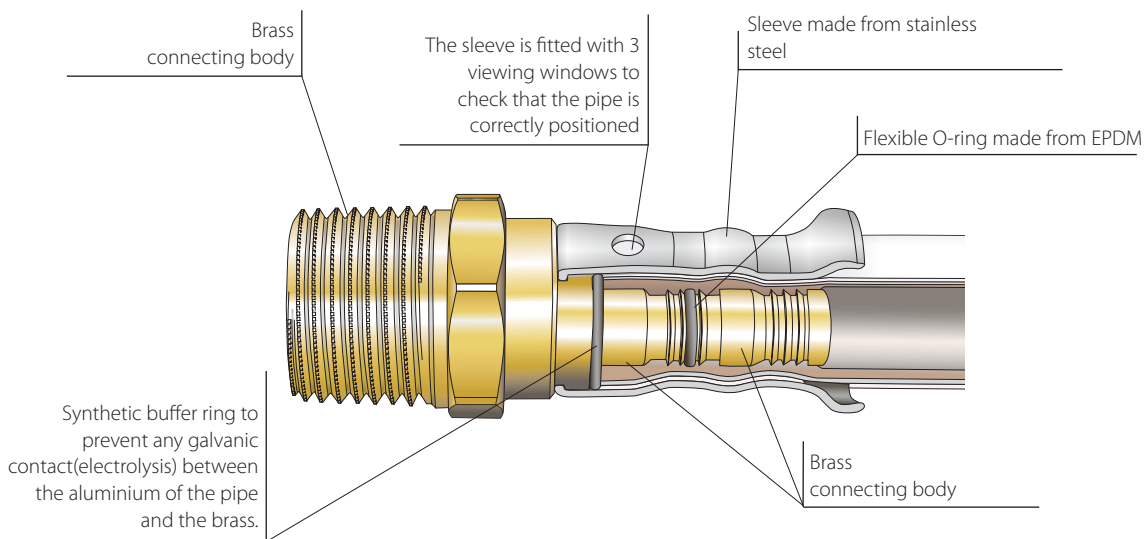
Composition

The body of the fitting is made from CW617N brass. These fittings offer great advantages with regard to corrosion and they are also better for the environment.

The fitting has a buffer ring that prevents direct galvanic contact between the aluminium of the pipe and the brass of the fitting. This excludes the possibility of electrolysis occurring.

The fitting is equipped with O-rings made from EPDM and RVS pressure sleeves with 3 inspection windows.

In order to prevent assembly errors, the dimensions and type of press profile which can be pressed are shown on the RVS sleeves.



Application of 36P-fitting

Press-fit adapter to copper press or thin steel. This fitting is made of CuSi (alloy CW724), lead free and DZR.

To press with M, V & SA



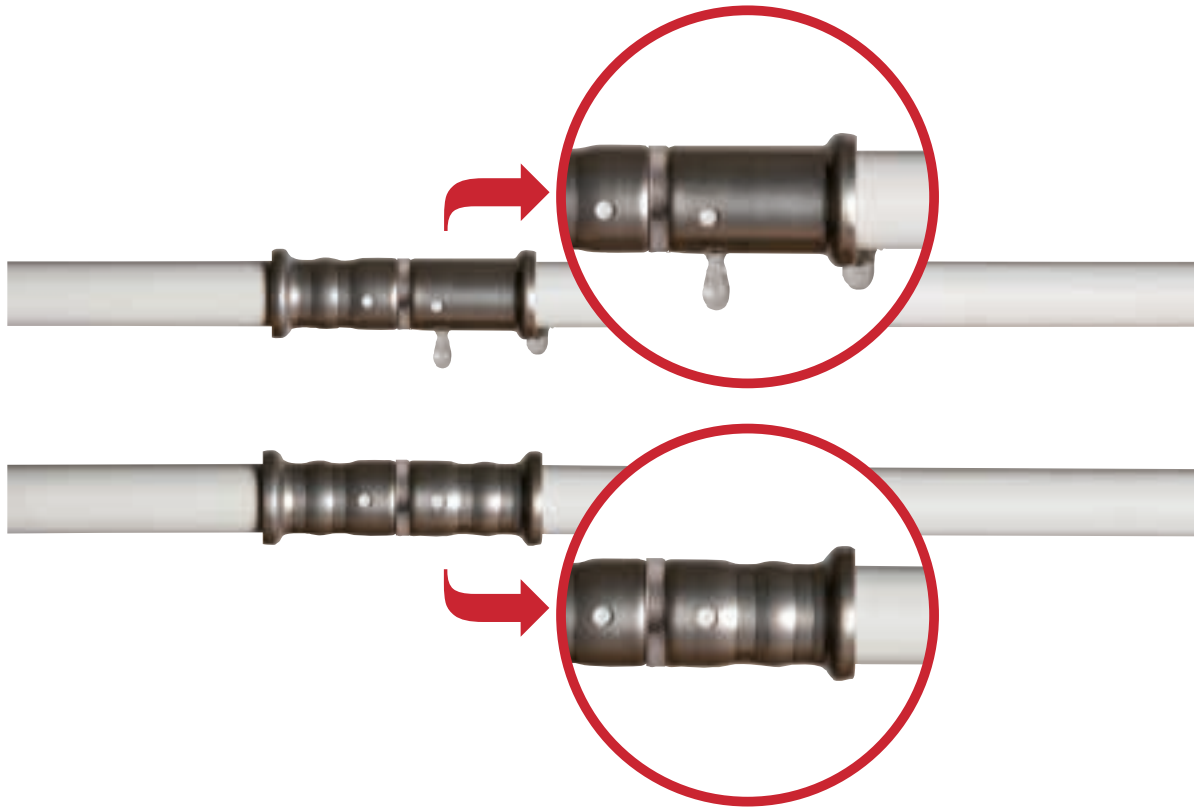
Applicable tubes

Copper EN1057		Carbon-steel DIN EN10305		Stainless steel DIN EN10088/EN10312	
Diameter	S	Diameter	S	Diameter	S
12	0.8	12	1.5	12	1.0
15	1.0	15	1.5	15	1.0
18	1.0	18	1.5	18	1.0
22	1.2	22	1.5	22	1.2
28	1.5	28	1.5	28	1.2



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Leak detection (LBP)*



Henco brass press fittings are designed in such a way that they leak immediately if you forget to press the fitting during assembly.

Pressing the fitting has a two functions::

- ▶ It seals the O-ring
- ▶ It fastens the fitting to the pipe

If the fitting is not pressed it will leak when the system pressure is 0.5 BAR. This allows early detection of errors (during the required pressing of the piping system) and avoids damage caused by leaks.

Not pressed in the correct position

If the jaws of the pressing tool are incorrectly positioned on the fitting, the sleeve will not press sufficiently against the O-ring. In that case too, the fitting will leak when it is pressurised.

Poor functioning of pressing tool

If the pressing tool does not function well (insufficiently pressed), the fitting will also leak when pressed. So in addition to leak detection there is also press detection!



PRESSCHECK1432

* The blank brass press fittings are replaced at the same time by the tin-plated brass Henco press fittings with leak detection.

* *Leak Before Press*

4 BRASS PRESS FITTINGS

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Instructions for the PRESSCHECK measurement tool



1. Check the \varnothing of the press connection.



2. Find the corresponding \varnothing on the measurement tool.



3. Place the corresponding cut-away section of the measurement tool on the indented section on the pressure sleeve.



4. Note that the measurement tool and the indented section fit together perfectly.



5. Rotate the tool 360° around the indented section on the pressure sleeve and ensure that they mate perfectly together during this action as in step 4. Should this fail (for instance the distance is too great or there is an obstruction), then there is something wrong with the impression on the connection. In this case we recommend that you make a completely new press connection and check the press machine using the jaws of the press tool.



NOTE! The PRESSCHECK measurement tool is only suitable for use on press connections made with the Henco profile (BE profile) or the TH profile (up to \varnothing 26) combined with a Henco PVDF or brass press fitting.

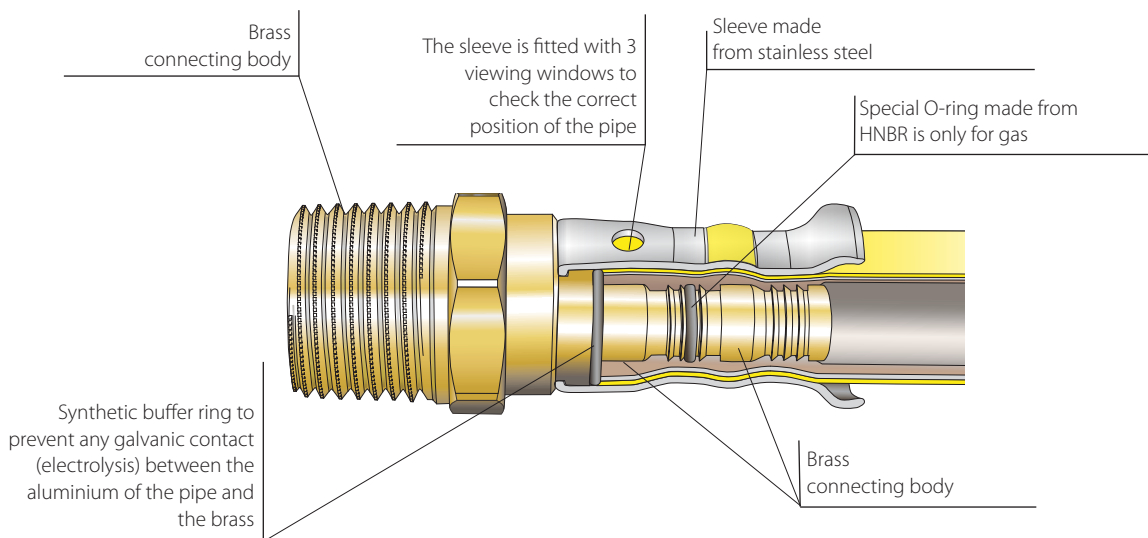


4.2 Brass press fittings - gas

Composition

The brass press fittings for gas only differ in one important technical aspect from the brass fittings for sanitary and heating applications. The fittings are provided with a special O-ring. This O-ring is made from HNBR and is resistant to gas. To make this easier to see, the fittings have a yellow

band on each pressure sleeve. Fittings for gas should never be used for sanitary applications or heating. Conversely, fittings for gas should only be used in combination with the yellow Henco multilayer pipe for gas.



KIWA Gas quality mark

The Henco system for gas is only permitted in countries where quality mark has been granted. You should always consult the regulations which apply to gas piping systems in the country. The Henco gas system with brass press fittings carries the UNI/TS 11344 gas quality mark.

See page 28 for the installation options available for gas piping and gas fittings.