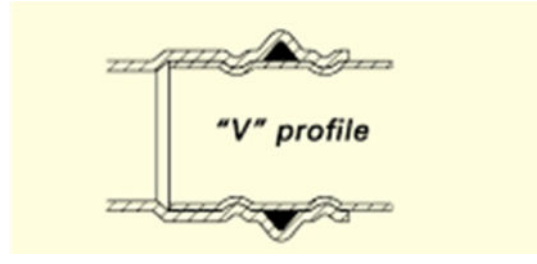
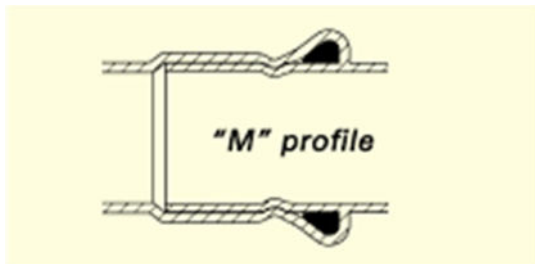


## Which is better M-Profile or V-Profile?



There are 2 main systems of press fittings M-Press or V-Press. Most SS suppliers use M-Press so do be aware you don't get stuck with tools that you may not always be able to get compatible fittings. The two profiles are different in shape but in terms of performance there is no difference. Even the maximum operating pressures and temperature ratings are the same. Both profiles must meet the same standards, have the same approvals. There is no difference in functionality, fluids pass through pipes and fittings in the same way. Both use the same tools that exert the same forces.

There are multiple manufacturers globally of press fittings, the majority use M, some use V, plus a few other more obscure profiles not needed for this article.

## B-Press Tool

Sometimes tradesmen ask can they use their B-Press tools for Stainless Steel? B Press fittings are designed for copper and copper alloy and are quick and easy to install but can only be used for copper. Mostly the Press tools themselves are interchangeable but it is critical that the correct jaws or chains are used, if in doubt check with our Customer Service team.



V profile

M profile

## What are the differences?

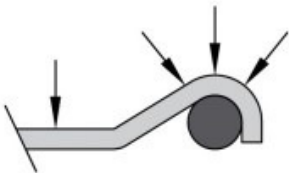
Historically M-Press was first invented and copyrighted for 50 years, V-press was a subsequent design to get around the M copyrights. The choice of one profile or another by installers is entirely discretionary, according to habits and the availability of equipment of one type or another. Nonetheless, at present the manufacture of the EuroPress fittings range of M profile fittings boasts a greater number of certifications than the more recent

V profile range, for which some certifications are in the process of being obtained or are planned for the near future.

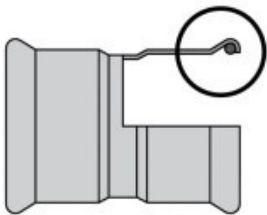
Both systems use the same press tools - the integrity of the joint depends on the force applied and the press collar or jaws - all made by the same tool manufacturers. Both systems must meet the same standards whether Australia's AS or European DVGW or EN.



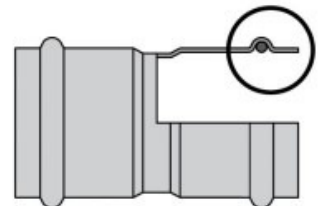
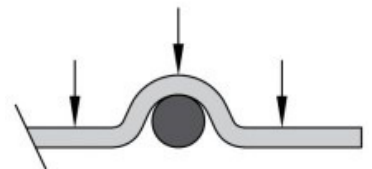
The V-profile can be identified by the visible shoulder or extended sleeve on the fitting which is pressed as part of the press operation on either side of the O-ring seat.



The M profile has a special toroidal seat for the O-ring which is radially pressed for hermetically sealing as well as the geometric deformation of the fitting onto the pipe which guarantees longitudinal and rotary integrity of the joint.



The V profile can be easier for inserting the tube/pipe, whereas the M profile is easier to check and change the O-rings for specialised applications.



Apart from the jaws illustrated earlier, M profile also have a more recent development of High pressure 'chains'. Instead of the scissor action utilised by both profiles, the 'chains' are a multisegmented design that wrap around the fitting and press equally on each segment, similar to the mechanical action designed for larger sizes .



"M" and "V" profiles are both valid, often the choice is a matter of habit. So, next time you have a project and decide to use Stainless Press, ensure you use the right profile jaws for the fittings, the system is fit for purpose and offers you the greatest security for your workmanship. For expert advice on any installation, please refer to our technical department.