

## ➤ Instructions for using the 'Omnifit Cap' tube connection system

- 1 **PTFE cone option**, for use where chemical resistance is paramount. Typical pressure rating is 50 psi.

The Outside diameter of the hard wall tubing being used should be known, and must be matched to a PTFE cone with a corresponding size inside diameter. To assemble, cut the end of the tube square with an Omnifit tube cutter. Fit the 'Omnifit cap' to the tube and push the tubing through the cone until a small amount is protruding, as shown. Screw down the cap onto the mating PTFE part until finger tight. The assembly is now ready for use.



- 2 **Viton 'O'-ring option**, for use where the outside diameter of the tube is between 1 and 4mm, but is possibly not known and chemical resistance is less important. Typical pressure rating is 50psi.

To assemble, cut tube end square with an Omnifit tube cutter and push through Omnifit cap, and then through 3 'O'-rings, two largest first, leaving 1 to 2mm of tube protruding from small 'O'-ring as shown. Screw down the cap onto the mating PTFE part until finger tight. Assembly is now ready for use. Omit the small 'O'-ring for tube sizes 2.5 to 4mm outside diameter. The 'O'-rings compress into the cone angle in the body so when the cap is tightened, a seal is created and the tube is retained.



- 3 **Using an 'Omnifit cap' as a flat bottomed port**, for using adaptors for softwall tubing or when pre-formed tubing assemblies are present.

To assemble, fit the cone supplied into the cap and screw down onto the mating PTFE part to finger tightness. The Omnifit cap has now been converted to a 1/4"-28 UNF flat bottomed port. This port will now take any standard Omnifit 1/4"-28 UNF male fitting, for example, a gripper type as shown. Alternatives include the Omnifit inverted cone, and also barbed fittings for connecting soft wall tubing.



www.chromtech.net.au E-mail : [info@chromtech.net.au](mailto:info@chromtech.net.au) Tel : +61 3 9762 2034 Fax : +61 3 9761 1169