

The manufacturer shall use a program, which includes a yearly schedule to conduct:

- Axial Strength per section 2.4
- Torsion per section 2.5 and
- Bending per section 2.6

See Appendix 'B' for manufacture's detailed plan

DESCRIPTION

The ProPress-G system (Size ½ to 2 inch) is a copper tube connection system intended to join Types K, L, and M straight (drawn) tubing or coiled (annealed) tubing to Viega Fittings. It is intended for use with Fuel Gases (Natural and Liquefied Petroleum Gases [Propane]). Press fittings with compression sockets are produced in copper and gun metal (Bronze), press fittings with NPT (M, F) connections are produced in gun metal, (Bronze). The fittings are provided with yellow HNBR Sealing elements (O-rings). (See Appendix 'A' for details). The fittings are also provided with a corresponding yellow marking at each end.

The connection to the copper tubing is made with a Ridge (Trade Name RIGID) Tool Company Electro Hydraulic Crimping tool CT-400 rated at 120V, 60 Hz, 5.2A. This tool is CSA certified to Class 3881-51 and Class 3881-81 per report 153178-1220194. Ridge tool 320-E (14.4 Volt Ni-MH Battery) or RP 330B (18 Volt Li-ion Battery) or RP 330C (corded) for ½ to 2 inch size and 100B (14.4 Volt Ni-MH Battery) for ½ to 1 inch size may be used instead of the CT-400 120V model.

The tools have specific jaws and rings for each size (½, ¾, 1, 1¼, 1½, and 2). Either jaws or rings may be used. Rings have identical internal dimensions and press pattern as the jaws. Rings permit access in tighter spaces by allowing the swivel actuator to be placed ±90° to the tube. V1, V2, and C1 actuators are used with press rings (V1 for ½, to 1¼) and (V2 for 1½, to 2) are compatible with CT400, 320-E, RP 330B, and RP 330C. The (C1 for ½ to 1-1/4) actuator is compatible with the 100-B tool. (Drawing numbers for jaws 085-002-052, 085-002-053, 085-002-054, 085-002-055, 085-002-056, 085-002-057 respectively

The ProPress-G fittings incorporate an SC Feature (SC = sure connection) at each compression socket. The Sure Connection feature is special indentation in the inside surface of the fitting near the sealing element. This indentation assures leakage of gases from inside the system past the sealing element of an un-pressed connection. The indentation is removed during the pressing process creating a leak free permanent connection. This system is suitable for underground piping. See Appendix 'D' for installation manual.

The fittings shall be one of the following:

Type	Description
Adapter	Press socket for the tubing on one end and NPT (F, M) thread on the other end
Coupling	Connect cooper tubing or tubing at each end
Non Stop Coupling	Does not have any stops for the copper tubing
90°Elbow	Press sockets at each end or a FTG at one end and a press socket at the other end
45° Ell	Similar to the 90°Elbow fittings
Tee	Press socket at each end or NPT (F, M) thread
Cap	Has a press socket
Reducer	Press Socket at each end or a fitting at one end and press socket at the other end
Manifold tee	Press socket end, Fitting end and a press socket end