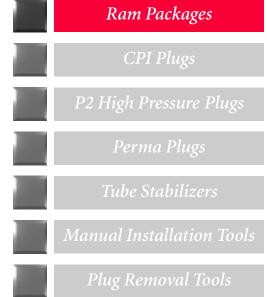
Pop-A-Plug System® Ram Packages







Installs Pop-A-Plug Tube Plugs Quickly, Safely and Easily.



There's no better way to install EST's Pop-A-Plugs than with our Ram Installation Equipment. Our PAP-6600 Small Ram Package hydraulically installs plugs up to 1.160" (29.46 mm) diameter in seconds. With a hydraulic ram weighing only 7 pounds (3.17 kg) and a total package weight of 35 pounds (15.88 kg), the PAP-6600 is compact, lightweight, and easy to use. Radial clearance of 1-3/4" (44.5 mm) is needed around the tube end, along with 7-1/2" (190.5 mm) axial clearance outward from the tube end. Here's what the PAP-6600 Small Ram Package offers:

• A compact, air driven hydraulic pump: Requires a shop air supply of 40 to 125 psig (2.7-8.6 bar). Normal consumption is 20 CFM at 100 psi (6.8 bar). The connection to the pump is 1/4" NPTF.

- 10 feet of 10,000 psi hydraulic hose.
- Two complete 10,000 psi Quick Connects.
- A rugged glycerin-filled 10,000 psi pressure gauge.
- A metal storage box.



World Headquarters: Expansion Seal Technologies 2701 Township Line Road Hatfield, PA 19440-1770 USA Tel: 1-215-721-1100 Fax: 1-215-721-1101 Toll-Free: 1-800-355-7044

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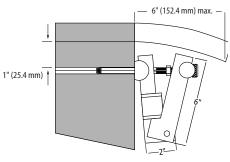
Tight Space? No Problem.



EST's Close Quarters Ram lets you install Pop-A-Plugs even when there's only minimal clearance around the tube end — in the outermost row of tubes in a closed head feedwater heater, for example, or in the tubes adjacent to a

pass partition or divider plate.

The Close Quarters Ram is available by itself (*Part Number CQR-1000*) or as part of the PAP-7600 Ram Package (*also includes the items in the PAP-6600 Ram Package*).



| Close Quarters Ram | |
|--------------------|--------------|
| Part Number | P2 Plug Size |
| CQP-400-440 | .400 to .440 |
| CQP-460-500 | .460 to .500 |
| CQP-520-580 | .520 to .580 |
| CQP-600-680 | .600 to .680 |
| COP-700-780 | .700 to .780 |

.800 to .860

Pull Rod Assemblies for



Large Ram Package

For P2's larger than 1.160" OD (29.46 mm). The PAP-1750 Ram Package includes the same air activated

hydraulic pump and high pressure hose assembly as supplied with the Small Ram Package.

CQP-800-860

Ram Package Ordering Information

- Small Ram Package: Order PAP-6600
- Small Ram and Close Quarters Ram Package: Order PAP-7600.
- Close Quarters Ram Package:
 Order CQR-1000 and specify plug sizes to be installed; also order the
- appropriate CQP pull rod assembly, i.e. a CQP-520-580 to install P2 plugs in the .520" to .580" range.
- For use with Small and Large Ram Packages: You will also need a pull rod assembly matched to the plug you are installing to complete your installation kit.

Specifications subject to change without notice.



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