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.
**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).

### Pull Rod Assemblies for Close Quarters Ram

<table>
<thead>
<tr>
<th>Part Number</th>
<th>P2 Plug Size</th>
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<tbody>
<tr>
<td>CQP-400-440</td>
<td>.400 to .440</td>
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<tr>
<td>CQP-460-500</td>
<td>.460 to .500</td>
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<tr>
<td>CQP-520-580</td>
<td>.520 to .580</td>
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<td>CQP-600-680</td>
<td>.600 to .680</td>
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<td>CQP-700-780</td>
<td>.700 to .780</td>
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<tr>
<td>CQP-800-860</td>
<td>.800 to .860</td>
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</tbody>
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### 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.

### 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.