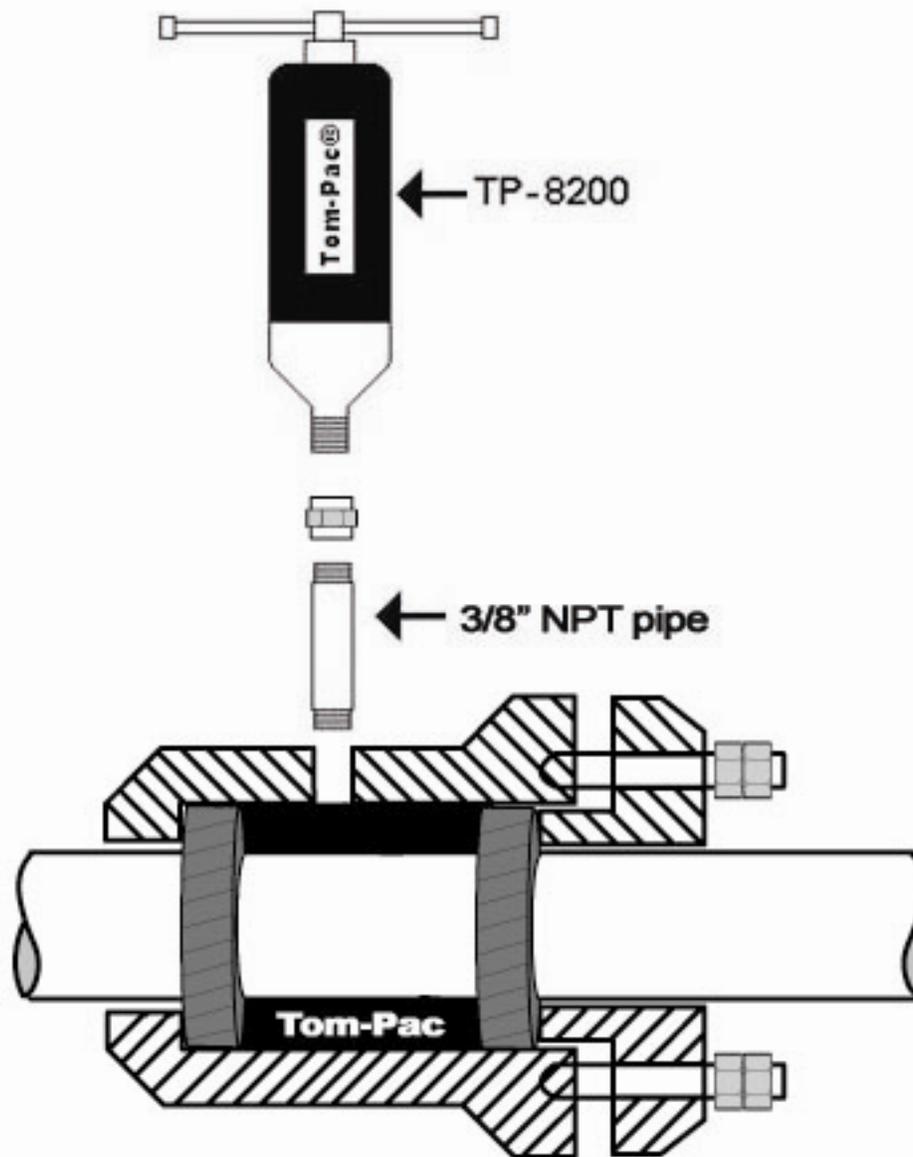


TP-8200/8100 Installation Instructions



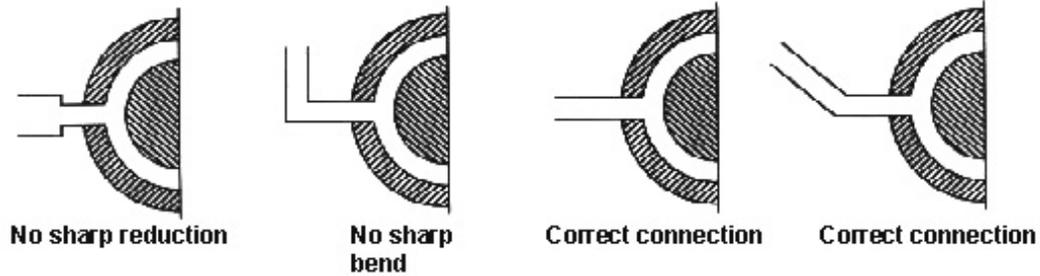
1- The flush water port, which will be used for compound injection, should be located approximately in the center of the stuffing box, with a 3/8" NPT tap right to the shaft with no reduction or restriction. If the flush port diameter is not 3/8" NPT right through, re-drill with a 9/16" bit right to the shaft and tap 3/8" NPT.

2- If there is no flush water port to the stuffing box, one can be drilled and tapped. This path should preferably be arranged tangentially to the shaft so its rotation assists the entry of the compound into the box; however, a radial connection is acceptable. (see diagram at bottom of page 2)

3- A small length (approx 3") of stainless steel pipe (threaded at both ends) will be used to facilitate future injection of compound. Fill the pipe or tube before installing it by simply screwing the Linear Loader™ into it and turning the handle.

4- Install the pipe into the flush port. Use only stainless steel pipe or tube. Pipe or tube may be bent to accommodate location however, use only long radius bends. If elbows must be used, they should have no more than a 45° angle.

Reducers must be avoided and care taken at the connection with the stuffing box to ensure that there is no shoulder or other reduction in diameter to maintain the smooth flow path of the compound.

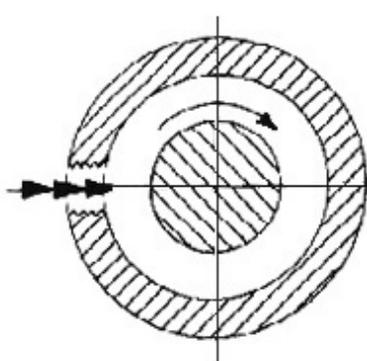


5- When leakage is observed, the operator should slowly turn the handle of the Linear Loader™ while observing the follower. The injection **must be done on-line!** (While the equipment is operating) When leakage stops, further injection of compound is unnecessary. No further adjustment is required until the next time leakage occurs. If the loader is removed from the port, apply a cap to the end of the pipe to prevent extrusion.

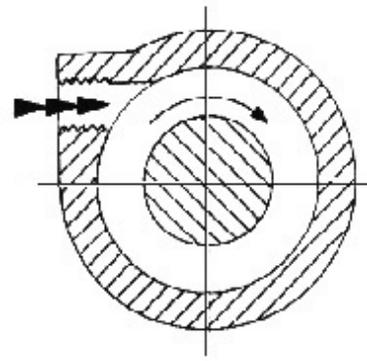
6- TP-8200 Linear Loader™ is designed for on-going stuffing box maintenance and is not intended for the initial filling of the stuffing box with Tom-Pac® sealing compound. This should be done by hand, following the compound's installation procedure.

7- When the Linear Loader™ is empty, which will be indicated by the jackscrew being fully home against the top of the cap, unscrew the handle completely. Then unscrew the nozzle from the body. Fill the cylinder with Tom-Pac® compound by hand and screw the nozzle back to the body.

RECOMMENDED DRILL PATH FOR INITIATING AN INJECTION PORT



RADIAL CONNECTION
GOOD



TANGENTIAL CONNECTION
BEST