Instructions for
Installing New Valve Packing
in the Oxweld Valve

To Repack
To repack the V-4 Valve with new-type plastic valve packing, first dismantle the valve as follows:

1. Loosen the packing screw and open the valve stem (turn the handwheel to the left) fully.
2. Unscrew the stuffing box from the valve body.
3. Screw in the valve stem until the valve tip can be removed. Then remove the tip.
4. Unscrew the packing screw from the stuffing box.
5. Unscrew the valve stem from the stuffing box.
6. Remove the cap nut, washer, and handwheel.
7. Slide the packing screw, packing and valve stem off the valve stem.
8. Remove the gasket from the valve stem.

To Reassemble
1. Place the valve packing between the packing washers and install this assembly and the packing screw on the valve stem.
2. Attach the handwheel, washer, and cap nut to the valve stem.
3. Screw the valve stem into the stuffing box and push the washers and packing into the stuffing box.
4. Loosely screw the packing screw into the stuffing box.
5. Insert a new gasket in the recess in the valve body. Always replace the gasket you remove with another of the same type. (See parts picture, and note, on reverse side.)
6. Attach the valve tip to the valve stem and back out the valve stem as far as possible.
7. Assemble the stuffing box and valve stem assembly to the valve body.
8. Tighten the packing screw very tight with a crescent or monkey wrench; then back it off just enough so that the valve handle turns readily. After this is done, there is no further need to adjust the packing screw unless tests show leakage.

To Test
With normal pressure at the valve, and with the valve open, test for leakage around the threads of the stuffing box and the packing nut. Also test for leakage around the valve stem. Use only a water solution of grease-free soap (such as Ivory) applied with a new or clean brush.

Usually the initial adjustment will serve for the life of the valve. Where the valve is subject to wide temperature variations, it may be necessary to tighten the packing nut under colder conditions to effect a seal, or to release the packing nut slightly so that the handle may be readily turned under warmer conditions.

The term "Oxweld" is a registered trade-mark of Union Carbide and Carbon Corporation.
**NOTE:** On older model V-4 Valves having a spoked packing screw, use gasket part number 4219 (tinned copper) instead of 78285 (plastic) illustrated.

**NOTE:** On old style valves having a spoked packing screw, it is desirable to replace the spoked packing screw with the new hexagonal screw. This should be done so that a wrench can be used to tighten the screw sufficiently to compress the new packing material.