



Installation of O-rings and O-ring Cord

Installing O-rings

New o-rings should be cleaned and installed only in confining grooves that have been cleaned, and are free of all foreign matter. Vacuum grease is not required for a static o-ring seal. However, o-rings used for dynamic seals should be given a thin coating of vacuum grease prior to installation into the o-ring groove. Door o-rings must be purchased as a complete unit when used in high-pressure operation. **DO NOT** install o-ring cord on any high-pressure surfaces.

Installing O-ring Cord

O-ring cord is used for vacuum seals when the inside diameter of the confining groove is greater than sixteen inches. To install o-ring cord, the following procedure can be used:

Step 1

Measure the length of the o-ring groove and clean the groove thoroughly.

Step 2

Cut a piece of clean o-ring cord to $\frac{1}{4}$ " longer than the measured length. To cut the cord, use a sharp razor, wet in oil, and carefully guillotine the cord with a firm and even application of pressure. The cut end must be square and smooth.

Step 3

Push one end of the o-ring cord into the groove. Without stretching the cord, lay it into the groove until $\frac{3}{4}$ of the cord is installed over the circumference of the groove.

Step 4

Place the remaining free end of the cord against the started end, with the two square cuts butting each other. Finish by laying the cord in the reverse direction around the last $\frac{1}{4}$ of the groove circumference. The cord should then be given a thin coating of vacuum grease to complete the installation.

By using the procedure described, the O-ring Cord ends will be tightly butted and leak-free.