

8111/8112 Stuffing/Packing Box w/Wire Retainers

Instruction Sheet

These packing boxes are for use with the appropriate bearings: 8111 for use with 8051 and 8133 Bearings, 10 mm; 8112 for use with 8060 and 8061 Bearings, 19 mm. They differ from units previously supplied only in the type of retainers (wire inserts) used.

Packing boxes are beneficial when vacuum below 5 mm Hg are employed or highly toxic materials are present. However, a "perfect" seal is not realized. Leak rates, although low, increase with shaft speed, and more frequent tightening will be required.

Packing box seals should NOT be used with PTFE or PTFE-Clad shafts because severe wear will be experienced, even with Teflon packing.

INSTALLATION

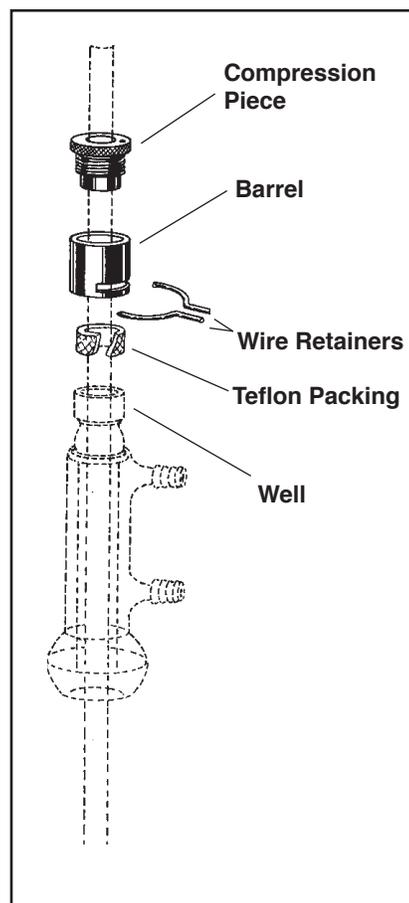
Assemble the pieces by placing the PTFE packing in the well at top of bearing, (with 8111 Packing is a PTFE ring; with 8112 Packing is a flat piece of PTFE that needs to be formed into a ring). Then slide outer "barrel" of stuffing box over the well until the rectangular slot passes the well.

Insert one wire retainer into slot, large radius first, until it stops. Repeat on opposite side of slot with second insert. These retainers secure the barrel to the bearing. Be sure the retainer does not run out of the slot because this will cause bending and resulting mis-alignment which could cause the stirring shaft to snap during its insertion.

Start threading the compression piece into the barrel and place the assembly over the stirring shaft. If a solid lock-up is felt, remove the compression piece, check the position of the retainers and try again. Some force will be necessary to slide the stirring shaft through the packing but a resistance will be evident.

With the unit assembled, tighten the compression piece about 1/2 turn and actuate the shaft so that it turns about 10-50 rpm for about 30 seconds. Unscrew the compression piece and check for the presence of aluminum rub-off; there should be none, but if this is experienced, return the compression piece for replacement.

Re-tighten the compression piece after applying some lubricant to its end. Some further tightening will be required as the packing "seats" but not enough to stop rotation.



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