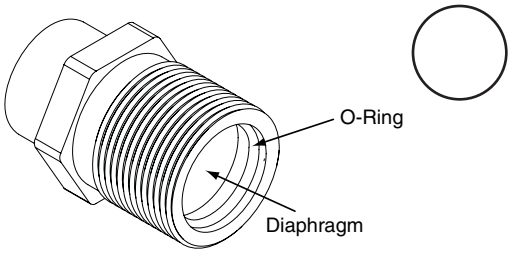
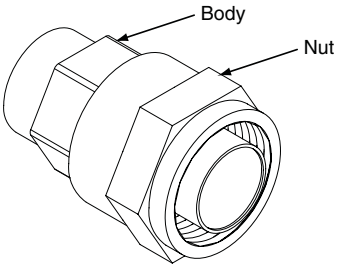
IMPORTANT!



Male Coupling Assembly



Female Coupling Assembly

To ensure proper sealing of couplers these steps **must be followed:**

Liberally apply supplied lubricant to the entire surface of diaphragm, o-ring, and threaded area of male coupling assembly. The amount of lubricant used must cover all designated surfaces sufficiently.

Ensure that the coupling halves are held in proper alignment with each other prior to starting the threads of the female coupling nut onto the male coupling assembly. The coupling end faces should be parallel with each other and visually in line; this allows the female coupling nut to be easily hand threaded for the initial 2-3 rotations. These initial rotations will bring the diaphragms into contact and a sharp increase in torque will be felt.

IF THE NUT WILL NOT START BY HAND, ADJUST THE POSITION OF THE LINE SET TO ENSURE PROPER COUPLING ALIGNMENT AND ELIMINATE/MINIMIZE ALL SIDE-LOAD FORCE ON THE COUPLING DURING ASSEMBLY.

Using the appropriate sizes wrenches (see table below) for the female coupling body and female coupling nut, tighten the female coupling nut while preventing rotation of the female body with respect to the male coupling. The nut should be tightened until a definite increase in resistance is felt (at this point, the nut will have covered most of the threads on the male body). It is important to ensure the male and female coupling bodies DO NOT ROTATE during any portion of the wrench installation.

Using a permanent marker or scribe, mark a line lengthwise from the female coupling nut to the female coupling body. Then tighten an additional wrench flat (60°); refer to the marking on the coupling nut to confirm the one wrench flat has occurred. This final wrench flat is necessary to ensure the formation of the metal to metal leak-proof seal, between the male and female couplings.

Check connection for leaks.

Repeat above steps for all couplings.

Coupling Size	Torque	Male Coupling	Female Coupling Nut	Female Coupling Body
3/8” (10 mm)	10-12 Ft-Lbs (14-16 Nm)	3/4”	11/16”	5/8”
3/4” (19 mm)	35-45 Ft-Lbs (47-61 Nm)	1-1/8”	1-5/16”	1”
7/8” (22 mm)	35-45 Ft-Lbs (47-61 Nm)	1-1/8”	1-5/16”	1”

708770A (Replaces 7087700)

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