

Figure 19

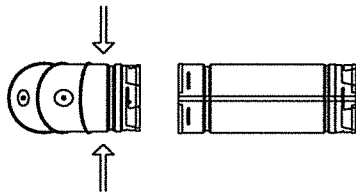
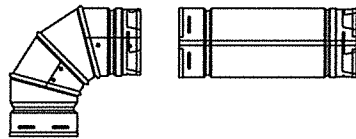


Figure 20

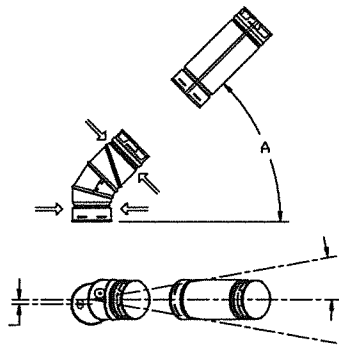


Figure 21

used to support each elbow (*Figure 10*). Do not allow the elbows to support the weight of the vent pipe.

3. 90° Elbows. *Figure 20*. The installer should apply pressure to the section at the points indicated by the arrows. This will prevent the adjacent sections of the elbow from turning, as the next pipe or fitting is twist-locked on. This is important, because once these sections start rotating, the elbow does no longer have a 90° angle.

4. 45° Offsets with 90° Elbows. *Figure 21* shows a 90° Adjustable Elbow being utilized to accomplish a 45° offset. This Elbow is completely adjustable from 0° to 90°. Please note that the centers of the upper sections tend to displace by a slight amount, as they are rotated. Again, screws (not longer than 1/4") may be used to secure the joint. Wall Straps should also be utilized to enhance the stability of the vent system.

MALE AND FEMALE ADAPTERS

1. Description. The male and female adaptors enable an installer to connect DuraVent B-vent components to an existing Type B gas vent system manufactured by the following companies: Air Jet, American Metals Products, ECCO Mfg, Hart & Cooley Mfg, Household Mfg, Metal Fab. Inc, Mitchell Metal Products, White Metal Products.

2. Connecting into Existing Competitors System. To connect into an existing competitors gas venting system from below, or from the appliance side, connect a Female Adaptor as shown in *Figure 22*, insuring that the inner liner of the adaptor is outside the inner liner of the existing pipe. Push the adaptor as far up as it will go, and tighten the locking bolt until the connection is snug.

3. Extending an Existing Competitors System. To continue an existing competitors

system up towards the termination using DuraVent Type B Gas Vent, connect a Male Adaptor to the last section of the system, as shown in **Figure 23**, insuring that the inner liner of the Adaptor fits smoothly inside the Pipe or fitting below it. Push the Adaptor down as far as it will go, and tighten the locking bolt until the connection is snug.

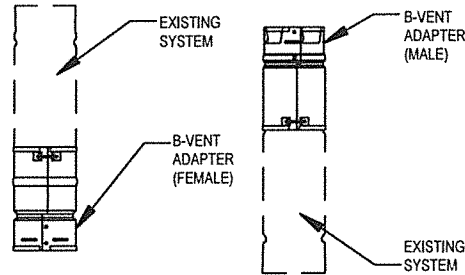


Figure 22

Figure 23

RELINING MASONRY CHIMNEYS FOR USE WITH GAS APPLIANCES

1. Description. A masonry chimney should be relined with B-Vent when venting a Category I gas appliance, such as a gas fireplace insert or freestanding gas stove, or to improve the venting and reduce condensation of existing gas appliances which are currently venting into the masonry chimney. These instructions encompass two general configurations: (1) A gas fireplace situated inside an existing masonry fireplace (**Figure 24**) or (2), a freestanding gas appliance venting into an existing masonry chimney. (**Figure 30**)

2. Masonry Inspection. Have the masonry chimney inspected by a CSIA Certified Chimney Sweep or other qualified professional to determine it's structural condition. Clean and repair as necessary.

3. Gas Fireplace. Carefully read the appliance manufacturer's installation instructions. Use the recommended vent size. Do not reduce the vent size below that of the flue exit on the appliance. Do not common vent gas fireplaces.

(a) Measurements. Measure and record the dimension as shown on **Figure 25** (Height "A"). You will need an additional 15" of vent above the masonry chimney. It is a good idea to allow for a little extra height in your measurements.

(b) Pipe and Fitting Requirements. The bottom 5 foot section of vent will be Flex Pipe

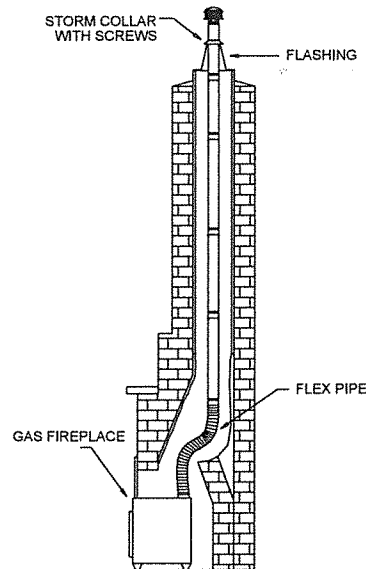


Figure 24

(used to get around the smoke shelf, and to connect to the appliance). The remainder will be rigid B-Vent Pipe Sections. For each pipe joint, subtract 1-1/2 inches.

(c) Connector. Read the appliance manufacturer's instructions for connecting the Flex Pipe to the appliance. In most cases, a Draft Hood Connector will be required as shown in **Figure 26**. If you are not sure, contact