



MODEL DWC DOUBLE WALL FLEXIBLE GAS VENT CONNECTOR INSTALLATION INSTRUCTIONS

CAUTION: WEAR GLOVES WHEN HANDLING SHEET METAL PARTS WITH SHARP EDGES.

Selkirk Model DWC Double Wall Flexible Gas Vent Connector is designed for use as a connector for Listed gas fired appliances equipped with draft hoods and other appliances Listed for use with Type B Gas Vent. Model DWC is an air-insulated double wall connector system with comparable insulating value to Type B gas vent. As such, Model DWC may be used where Type B gas vent connectors are required and may be sized in accordance with tables applicable to systems with Type B gas vent connectors. However, DO NOT ENCLOSE MODEL DWC gas vent connector.

WARNING

Failure to follow the installation instructions could cause FIRE, CARBON MONOXIDE POISONING, OR DEATH. If you are unsure of installation requirements, call the Phone Number listed on the instructions or sizing handbook.

CAUTION - RISK OF FIRE - DO NOT ENCLOSE. INTENDED FOR USE AS A CONNECTOR FOR UNENCLOSED PORTIONS OF INSTALLATIONS ONLY. Do not fully enclose or pass through combustible areas such as walls, ceilings, floors, attics, or crawl spaces. Maintain specified airspace clearance-to-combustibles.

General:

1) Selkirk Model DWC Flexible Connector system is designed to simplify connection between gas burning appliances and Type B Gas Vent systems by eliminating elbows and height interference sometimes associated with fixed lengths of rigid single wall or Type B Gas Vent. Individual lengths are provided with the same type of joint connector system as Selkirk Type B Gas Vent, permitting simple attachment.

2) To size the connector system, follow Selkirk chimney and gas vent sizing handbook and/or other approved engineering design practices such as the Canadian Fuel Gas Code (CAN/CGA-B149). Also check local code requirements.

3) In using Model DWC, overall consideration should be given to the following:

a) Make short straight runs where possible. b) Make no unnecessary bends. c) Make no bends greater than 90 degrees. d) Make bends as smooth as possible with no dips or sags. e) Install with at least a 20mm/m (1/4" per foot) rise.

4) Selkirk Model DWC Flexible Connector is Listed by Underwriters Laboratories (UL) for 25mm (1") airspace clearance-to-combustibles in an unenclosed installation. This product should not be fully enclosed or pass through a combustible area such as a ceiling, attic, wall, roof joist, or crawl space as it is not Listed as Type B Gas Vent.

5) Use Selkirk Model DWC (combination) wall/ceiling support spacers (DWC-SS) as necessary to assure correct clearances are maintained (See Figure 1).

6) Never cut or modify the flexible connector length. Where possible, choose connector lengths which provide for proper overall length. If necessary, however, connector lengths may be slightly compressed to obtain proper length (See Figure 2). Extra care must be observed when bending the Flexible Connector in the compressed state. Use only Model DWC connector parts. Do not substitute other flexible pipe material.

7) Joint connection design eliminates the need for screws at joints between flexible sections and/or B-Vent sections. However short (maximum 6.2mm [1/4"]) sheet metal screws may be used if desired. Screws should not pierce or deform the B-Vent liner but may pierce the connector. Use sheet metal screws as necessary to securely fasten flexible length or draft hood connector to the appliance outlet.

INSTALLATION INSTRUCTIONS FOR SINGLE APPLIANCE CONNECTOR SYSTEM

1) Determine the approximate length and the path of the connector required to attach to the B-Vent system and the appliance being vented.

2) Select a length or lengths of flexible connector sufficient to extend from the Type B Gas Vent (which should be protruding into the appliance room) to the appliance to be connected. If the inlet of the existing Type B Gas Vent system is not compatible with the male end of the flexible connector, use a Selkirk universal female B-Vent adapter which is UL Listed and designed to adapt to most manufacturer's Type B Gas Vent (See Figure 1). Insert the outlet (male) end of the connector into the inlet of the gas vent (or adapter) until it fully engages and remains in place.

3) If local codes specify use of a "drip tee", you may incorporate a fixed or adjustable wye or a tee to make the connection to the B-Vent. Model DWC can also be used to connect to the round inlet of an oval B-Vent tee if desired (See Figures 4 and 5).

4) Once securely attached to the B-Vent, gently bend the flexible connector in the direction of the appliance to which it will be attached. (Be careful not to make any abrupt or sharp bends or create any bends greater than 90 degrees.)

5) Attach the inlet (female) end of the flexible connector directly to the appliance draft hood or flue collar (if conditions and local codes permit). If necessary, a draft hood connector may be used between the draft hood/flue collar and the connector inlet.

6) If the flexible connector is too long, do not cut to length. Instead, compress it to an appropriate length as noted in Figure 2.

7) After making final connections, check the system for soundness of joint attachment and proper 25 mm (1") airspace clearance-to-combustibles. Install wall/ceiling support spacers as necessary to eliminate sags and/or assure proper clearances.

INSTALLATION INSTRUCTIONS FOR MULTIPLE APPLIANCE CONNECTOR SYSTEM

- 1) If you wish to common vent (connect to more than one appliance), you will need to select and install a fixed or adjustable wye or tee at the base (inlet) of the Type B Gas Vent system, along with appropriate increasers (if necessary) at the inlets. (See Figure 6)
- 2) Remember to reference Selkirk Chimney and Gas Vent Sizing Handbook and/or local code requirements to obtain the correct sizes for the connectors and common vent.
- 3) After selecting and installing the appropriate tee or wye assembly at the inlet of the gas vent, connection of the individual appliances is accomplished in the same manner as described above for a single appliance connector system.

AFTER COMPLETING INSTALLATION OF CONNECTOR AND VENT SYSTEM, CHECK FOR PROPER VENT OPERATION. REFER TO GAS VENT INSTALLATION INSTRUCTIONS AND/OR CAN/CGA-B149 FOR GUIDELINES ON HOW TO CHECK FOR PROPER OPERATION.

This product is also for use on vents manufactured by:

- Ecco
- Security
- Metal Pac
- Don Park
- Energy Vent
- BEL Vent

To Install:

Carefully mark and drill three holes (120 deg apart around the perimeter of the outer wall) in the very bottom end of the inlet piece of the other manufacturers vent. Slide the two together and secure in place with three screws. Caution - Screws should extend only into outer wall of DWC. Do not penetrate inner wall.

