

TECH TALK

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Type B Gas Vent Interconnection Fittings



by Dave Fetters

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Changes or additions to existing B vent systems sometimes require the installer to use new Hart & Cooley B vent with whatever brand is already in place. Appliance replacement, or building additions or modifications, may mandate adding more B vent to a system or changing what is in place.

Since different brands of B vent have different locking designs and can produce different amounts of airspace between the inner and outer walls, a straightforward coupling of different brands is usually impossible. Although the inner diameters are universally the same nominal dimension, the outers may be different, preventing the necessary pipe overlap for a good connection.

We wanted something other than a makeshift connection. We wanted a fitting that would allow the mixing of brands while providing a positive lock—a lock that meets Underwriters Laboratories Standard 441 for B vent. We wanted to prevent the use screws to hold the joint together, thus avoiding a potential source of noise. We wanted to be able to have other brands mate to our B vent at both the male and female ends.

We wanted to accommodate the most common sizes used.

Hart & Cooley has UL-listed male and female interconnection adapters that meet these requirements. When speaking of these adapters, it is easy to confuse them. We speak of “male” adapters as those that adapt other brands to Hart & Cooley—“theirs-to-ours” in the direction of flue gas flow. So a male adapter will fit onto the male end of another brand heading away from the appliance. A “female” adapter, or “ours-to-theirs,” allows for the male end of Hart & Cooley pipe to adapt to the female end of another brand.

Another way to remember which end is which is that flue gases flow into the female end and out the male end. We have an arrow on pipe that points toward the male end, showing the direction of flow of the flue gases.

The chart on the reverse side of this newsletter, which appears in our **Gas vent & chimney systems** product catalog, lists the adapters that we offer. □

(continued on reverse side)

			Hart & Cooley Adapter Model	
Manufacturer	Pipe Diameter	Airspace	Male	Female
Metalbestos	3" - 6"	1/4"	RA or RPA	RRA
	7" - 8"	1/4"	RA	-
Metal-Fab	3" - 6"	1/4"	RA or RPA	RRA
	7" - 8"	1/2"	RPA	-
AmeriVent	3" - 6"	1/4"	RA or RPA	RRA
	7" - 8"	1/2"	RPA	-
Air-Jet	3" - 8"	3/8"	RAA	RRA
	7" - 8"	3/8"	RAA	-
DuraVent	3" - 8"	5/16"	RAA	RRA
	7" - 8"	5/16"	RAA	-



RA Male Adapter
*adapts other brands of B vent
to Hart & Cooley vent*



RAA Male Adapter
*adapts other brands of B vent
to Hart & Cooley vent*



RRA Female Adapter
*adapts Hart & Cooley vent to
other brands of B vent*



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