

Section R403 Systems (Minnesota Energy Code).

R403.2.1 Insulation (prescriptive). All exhaust, supply, and return air ducts and plenums shall be insulated according to Table R403.2.1.

For the purposes of Table R403.2.1, the following applies:

- a. Insulation is only required in the conditioned space for a distance of 3 feet (914 mm) from the exterior or unconditioned space.
- b. V means the vapor retarder in accordance with IMC Section 604.11. When a vapor retarder is required, duct insulation required by this section shall be installed without respect to other building envelope insulation.
- c. W means an approved weatherproof barrier.

TABLE R403.2.1
MINIMUM REQUIRED DUCT AND PLENUM
INSULATION FOR DWELLING UNITS

DUCT TYPE/LOCATION	REQUIREMENTS
Exterior of building	R3.3R-8, V, and W
Attics, garages, and ventilated crawl spaces	R-8 and V
Outdoor air intakes within conditioned spaces	R3.3 and V
Exhaust ducts within conditioned spaces	R3.3 and V
Within cement slab or within ground	R3.5 and V
Within conditioned spaces and in basements with insulated walls	None required