

*(Effective until March 15, 2024)*

**WAC 51-11R-40552 Table R405.5.2(2)—Default distribution system efficiencies for proposed designs.**

**TABLE R405.5.2(2)  
DEFAULT DISTRIBUTION SYSTEM EFFICIENCIES FOR PROPOSED DESIGNS<sup>a</sup>**

<b>DISTRIBUTION SYSTEM CONFIGURATION AND CONDITION</b>	<b>DISTRIBUTION SYSTEM EFFICIENCY</b>
Distribution system components located in unconditioned space	0.88
Distribution systems entirely located in conditioned space <sup>b</sup>	0.93
Zonal systems <sup>c</sup>	1.00

For SI: 1 cubic foot per minute = 0.47 L/s, 1 square foot = 0.093m<sup>2</sup>, 1 pound per square inch = 6895 Pa, 1 inch water gauge = 1250 Pa.

<sup>a</sup> Values given by this table are for distribution systems, which must still meet all prescriptive requirements for duct and pipe system insulation and leakage.

<sup>b</sup> Entire system in conditioned space shall mean that no component of the distribution system, including the air-handler unit, is located outside of the conditioned space. All components must be located on the interior side of the thermal envelope (inside the insulation) and also inside of the air barrier. Refrigerant compressors and piping are allowed to be located outside.

<sup>c</sup> Zonal systems are systems where the heat source is located within each room. Systems shall be allowed to have forced airflow across a coil but shall not have any ducted airflow external to the manufacturer's air-handler enclosure. Hydronic systems do not qualify.

[Statutory Authority: RCW 19.27A.020, 19.27A.045, 19.27A.160, and 19.27.074. WSR 16-02-127, § 51-11R-40552, filed 1/6/16, effective 7/1/16. Statutory Authority: RCW 19.27A.020, 19.27A.045 and chapters 19.27 and 34.05 RCW. WSR 13-04-055, § 51-11R-40552, filed 2/1/13, effective 7/1/13.]

*(Effective March 15, 2024)*

**WAC 51-11R-40552 Table R405.4.2(2)—Default distribution system efficiencies for proposed designs.**

**TABLE R402.4.2(2)  
DEFAULT DISTRIBUTION SYSTEM EFFICIENCIES FOR PROPOSED DESIGNS<sup>a</sup>**

<b>DISTRIBUTION SYSTEM CONFIGURATION AND CONDITION</b>	<b>DISTRIBUTION SYSTEM EFFICIENCY</b>
Distribution system components located in unconditioned space	0.88
Distribution systems entirely located in conditioned space <sup>b</sup>	0.93
Zonal systems <sup>c</sup>	1.00

For SI: 1 cubic foot per minute = 0.47 L/s, 1 square foot = 0.093m<sup>2</sup>, 1 pound per square inch = 6895 Pa, 1 inch water gauge = 1250 Pa.

<sup>a</sup> Values given by this table are for distribution systems, which must still meet all prescriptive requirements for duct and pipe system insulation and leakage.

<sup>b</sup> Entire system in conditioned space shall mean that no component of the distribution system, including the air-handler unit, is located outside of the conditioned space. All components must be located on the interior side of the thermal envelope (inside the insulation) and also inside of the air barrier. Refrigerant compressors and piping are allowed to be located outside.

<sup>c</sup> Zonal systems are systems where the heat source is located within each room. Systems shall be allowed to have forced airflow across a coil but shall not have any ducted airflow external to the manufacturer's air-handler enclosure. Hydronic systems do not qualify.

[Statutory Authority: RCW 19.27A.020, 19.27A.045, 19.27A.160, and chapter 19.27A RCW. WSR 23-02-060, 23-12-102, and 23-20-022, § 51-11R-40552, filed 1/3/23, 6/7/23, and 9/25/23, effective 3/15/24. Statutory Authority: RCW 19.27A.020, 19.27A.045, 19.27A.160, and 19.27.074. WSR 16-02-127, § 51-11R-40552, filed 1/6/16, effective 7/1/16. Statutory Authority: RCW 19.27A.020, 19.27A.045 and chapters 19.27 and 34.05 RCW. WSR 13-04-055, § 51-11R-40552, filed 2/1/13, effective 7/1/13.]