



**HRV/ERV INSTALLATION &
BALANCING FUNDAMENTALS**
manual



HRV/ERV INSTALLATION & BALANCING FUNDAMENTALS

First Edition (2019 Edition)

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Heating, Refrigeration and Air Conditioning
Institute of Canada

NOTES

FOREWORD

The HRV/ERV Installation & Balancing Fundamentals manual has been developed and published by the Heating, Refrigeration and Air Conditioning Institute (HRAI) of Canada. Reproduction in any form, whether written, electronic or mechanical, is forbidden.

The careful use of this manual should result in the satisfactory installation and balancing of residential mechanical ventilation systems. However, the end result is in no way warranted by either the Heating, Refrigeration and Air Conditioning Institute of Canada or any companies or any persons involved in the preparation or presentation of this manual.

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PURPOSE

The HRV/ERV Installation and Balancing Manual is intended to instruct members of the heating, ventilating and air conditioning industry in the proper installation and balancing of residential mechanical ventilation systems using heat or energy recovery ventilators (HRV/ERVs). It is generic enough in nature that the methods can be used for other ventilation equipment such as bathroom fans.

The manual is meant for industry personnel who have a good basic understanding of HVAC equipment and ductwork installation.

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