

Established in 1968



1,300 Member Corporations

- 100 Manufacturers
- 50 Wholesalers/Distributors
- 900 Contractors; 150 Associates
- 28 staff, 12 instructors, 15 chapters



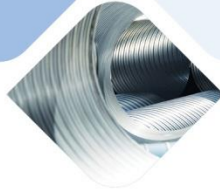
Services to Members and Industry

- Advocacy
- Training
- Communications
- Trade Show – CMPX





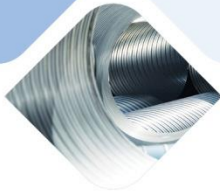
HRAI
YOUR ENVIRONMENT • OUR EXPERTISE



The Industry We Represent

- ❖ Space heating and cooling of buildings (by various methods)
- ❖ Domestic water heating
- ❖ Ventilation and indoor air quality
- ❖ Refrigeration processes
- ❖ Building control systems that tie it all together
- ❖ \$7 billion in activity per year and tens of thousands of jobs across the country

...yet largely hidden from sight!



Our Strategic Priorities

1

Advocacy & the Environment

2

Membership

3

Culture and Communication

4

Education and Career Development

5

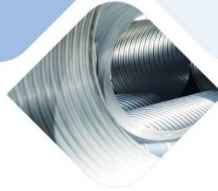
Business Fundamentals



HRAI
YOUR ENVIRONMENT  OUR EXPERTISE



HRAI
YOUR ENVIRONMENT • OUR EXPERTISE



More Impact via Alliances & Affiliations

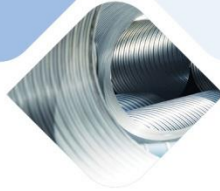


ONTARIO REFRIGERATION & AIR CONDITIONING CONTRACTORS ASSOCIATION



HARDI

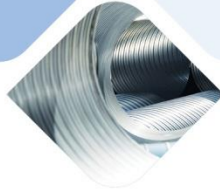




The Climate Change Plan

Under the ***Pan-Canadian Framework on Clean Growth and Climate Change***, building-related measures are expected to deliver significant GHG reductions

- ❖ Net-zero energy ready building codes by 2030
- ❖ Model building retrofit code by 2022
- ❖ Labelling/rating requirements as early as 2019
- ❖ Elevating standards to the highest level economically and technically feasible for heating equipment and other key technologies

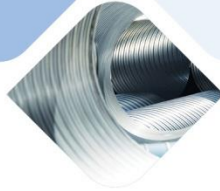


New Approach on Advocacy: Goals:

- Broad Government Relations plan: national and provincial/territorial
- To build awareness & understanding of HRAI & the HVACR sector with government officials – elected and non-elected,
- To better inform policy development and the legislative process,
- Increased communication with members, industry, government, partners
- To ensure HRAI remains aware and informed regarding the legislative landscape



HRAI
YOUR ENVIRONMENT • OUR EXPERTISE



HRAI Education Department

- Provide “Post-Trades” Training for the HVACR Industry
- Specializing in Technical Certification Programs
- Certification programs are based on current Codes and Standards



New Ventilation Courses 2019/20

Basic Principals of
Residential
Ventilation [On-Line]

Residential
Ventilation using
Section 9.32 of the
Building Code
[2-day]

- OBC 9.32 Design
- NBC 9.32 Design
- BCBC 9.32 Design

Residential
Ventilation using
CSA F326 [3-day]

HRV/ERV
Installation &
Balancing
Fundamentals
[1-day]

Depressurization
Testing of
Residential
Systems [1-day]

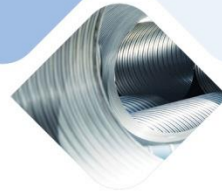


BASIC PRINCIPLES OF RESIDENTIAL VENTILATION

CHAPTER 1: INDOOR AIR QUALITY

[Click here to begin](#)





Residential Ventilation using Section 9.32 of the Building Code [2-day]

2015
National Building Code of Canada
Canadian Commission on Building and Fire Codes

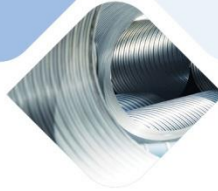
2012 **BUILDING CODE COMPENDIUM**
Ontario

British Columbia
BUILDING CODE 2018

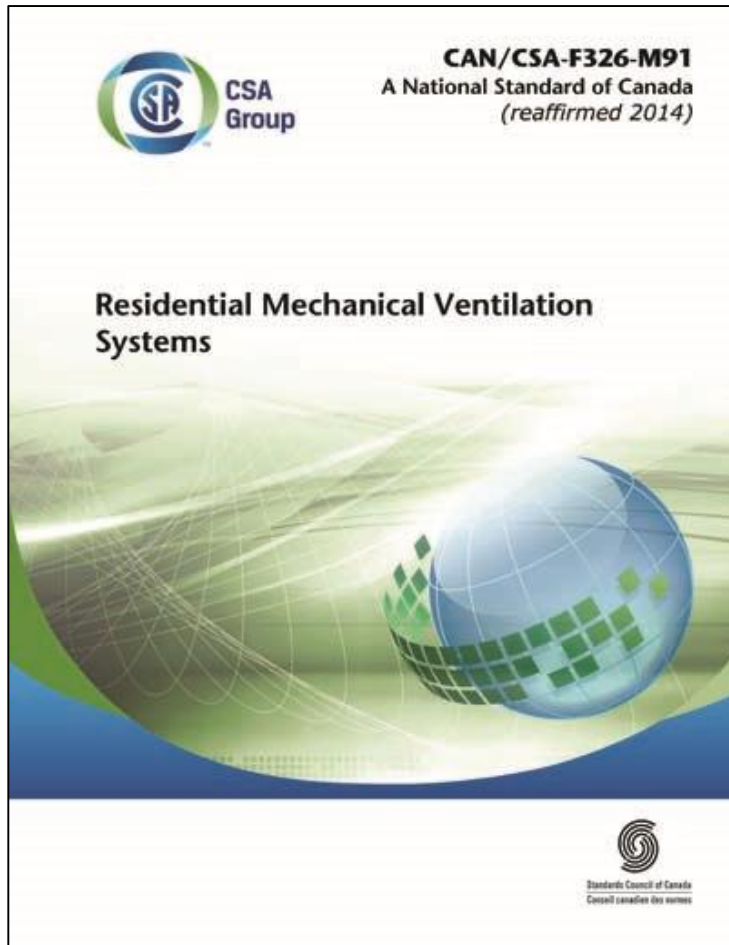
APPROVED
CONTINUING PROFESSIONAL DEVELOPMENT
REGISTRAR BC HOUSING



HRAI
YOUR ENVIRONMENT + OUR EXPERTISE



Residential Ventilation using CSA F326 [3-day]



Covers F326 design requirements
(acceptable in all provinces)

HRAI simple duct sizing meeting the
requirements of part 6 (HRAI Digest)

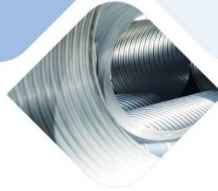
New updated F326 design worksheets
(fillable pdf)

New exercises that are specifically
created to require an F326 design

Full set of Design Procedures for easier
use after the training is complete



HRAI
YOUR ENVIRONMENT • OUR EXPERTISE



HRV/ERV Installation & Balancing Fundamentals [1-day]

Covers HRV/ERV
installation and
balancing
requirements

Recognized by
Municipalities
across the country

New HRV/ERV
balancing report
& label

Equipment
servicing checklists

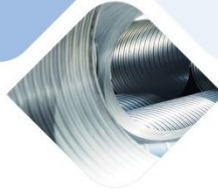
Problem solving
diagnostics list

Hands-on based
training

Better student
assessment



HRAI
YOUR ENVIRONMENT • OUR EXPERTISE



Depressurization Testing of Residential Systems [1-day]

Covers three depressurization standards (CGSB 5171, CSA F300, CSA F326)



Considers when a depressurization test is required



Covers how to complete HRAI's depressurization test report

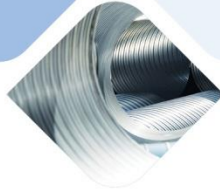


Broader group of participants

WETT certification

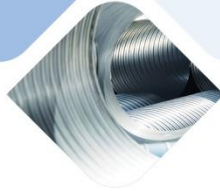
Radon Mitigation

Fossil Fuel Technicians



Other Certification Programs include:

- **Residential Heat Loss/Heat Gain Calculations (4-day based on CSA F280-12)**
- **Residential Air System Design (4-day)**
- **Residential Commissioning (2-day)**
- **Residential Radiant Hydronics Design (4-day)**
- **Small Commercial Heat Loss/Heat Gain**
- **Small Commercial Air System Design**



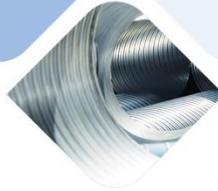
Non-Certification Programs:

- Indoor Air Quality (IAQ) for Residential & Small Commercial (2-day)
- Introduction to Residential HVAC Equipment (1-day)
- Building Officials Guide to Understanding HVAC Building Code Requirements (1-day)

HRAI also provides onsite training and customized training on a request basis.



HRAI
YOUR ENVIRONMENT • OUR EXPERTISE



THANK YOU!

QUESTIONS?