



PASSIVE HEAT PIPE HEAT RECOVERY VENTILATORS

Overview

ACT's Heat Pipe Heat Recovery Ventilators (ACT-HP-HRVs) are designed using high performance, zero maintenance heat pipe heat exchanger technology. Built and tested to AHRI standards, all units are manufactured for their specific application. HP-HRV's optimize summer and/or winter performance of heating and/or cooling systems by efficiently exchanging energy between the building exhaust air stream and the incoming outside air stream to either pre-cool or pre-heat the air depending upon the season.

Features

- Passive, energy saving, heat pipe heat exchanger technology
- Filtered intake and exhaust
- Individual fan speed controls
- Low profile for drop ceiling or raised floor installations
- Optional anti-frost tilt control
- Corrosion resistant models available
- Built and tested to AHRI standards
- UL Standard 207

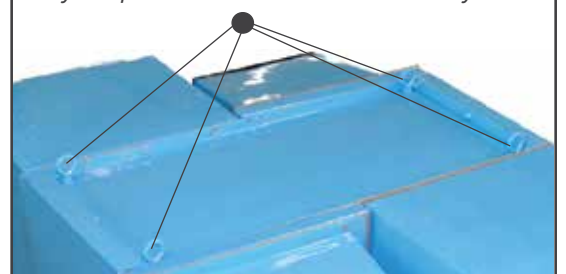


Optional Seasonal/Anti-Frost Tilt Control

Where desired, a tilt control feature can be added to the HP-HRV to enhance operation depending upon the season. This same tilting mechanism is often utilized as a frost protection system in extremely cold winter locations.

A PLC or the buildings energy management system can be easily employed to activate the tilt mechanism so that frost build up is avoided. ACT-HP-HRV's feature filtered intake and exhaust streams with individual fan speed controls for air flow balancing. The HRV systems low profile allows for raised flooring or drop ceiling installations. Heavy-duty mounting rings are provided on all models for ease of ceiling installation.

Easy suspended installation via four eyebolts



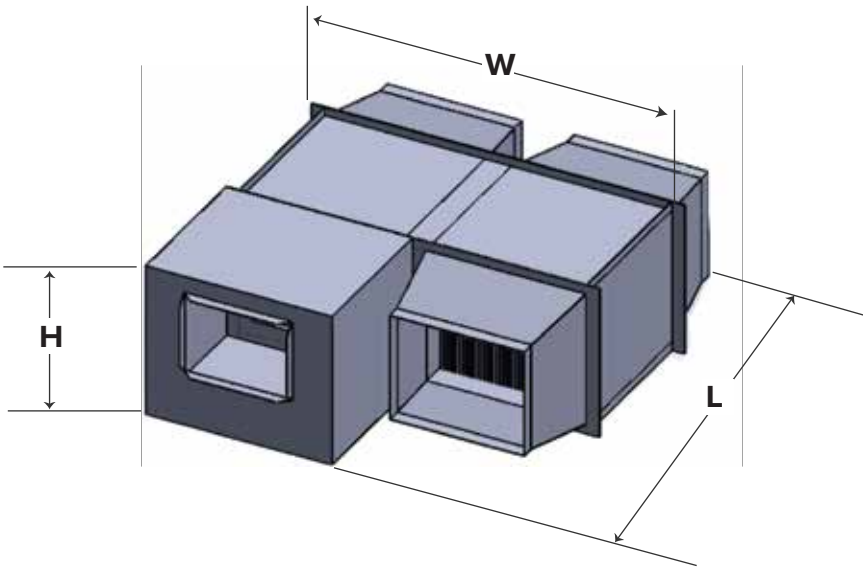
Individually filtered intake and exhaust

Specifications

Model Number	CFMs	L (in")	W (in")	H (in")	Effectiveness	ΔP	Power Btuh/Hr. 0°C Outside Air 75°C Return Air
ACT-HP-HRV-300	300	35.00	28.00	11.50	62%	0.35 IWG	15,000
ACT-HP-HRV-600	600	40.50	36.00	14.25	60%	0.46 IWG	29,000
ACT-HP-HRV-1000	1000	40.50	48.00	14.25	57%	0.64 IWG	46,000
ACT-HP-HRV-1650	1650	41.00	76.00	15.63	57%	0.65 IWG	76,000
ACT-HP-HRV-2700	2700	45.00	91.00	17.63	55%	0.80 IWG	120,000

Note: All ACT-HP-HRVs consist of 8 rows of heat pipes and a fin pitch of 12 fpi
Other fin pitch designs are available (8-14fpi) at no extra charge

Dimensions



Design Options

- Anti-Frost Tilting Option: ACT-HP-HRV-XXX-AFT
- Anti-Corrosion Enclosure/E-Coat Option: ACT-HPV-HRV-XXX-AFT-AC-E

Note: Anti-Frost and Anti-Corrosion/E-Coat are available on all models