

COVID CHECKLIST

ACTION	IMPACT	VALENT UNITS	INNOVENT UNITS
<input type="checkbox"/> DESIGN FOR HIGH OUTDOOR AIR LEVELS	Higher levels of outdoor air are currently recommended by ASHRAE to dilute virus particles	<ul style="list-style-type: none"> Default design is for 100% outdoor air 	
<input type="checkbox"/> INCLUDE INTEGRAL ENERGY RECOVERY	Energy recovery makes operating high-outdoor-air units more affordable	<ul style="list-style-type: none"> Enthalpic wheel Enthalpic plate hx Sensible plate hx 	<ul style="list-style-type: none"> Enthalpic wheel Enthalpic plate hx Sensible plate hx Heat pipe Glycol loop
<input type="checkbox"/> CONSIDER LOW or NO CROSS CONTAMINATION ERV OPTIONS	Rated cross contamination of less than 1% reduces the chance of re-circulating viral contaminants	<ul style="list-style-type: none"> Enthalpic plate hx Sensible plate hx 	
<input type="checkbox"/> SELECT AT LEAST MERV-13 FILTERS	Efficiency at filtering COVID particles (approx. 0.1 microns): <ul style="list-style-type: none"> MERV-13: 75% MERV-14: 75–85% MERV-15: 85–95% HEPA: 99.97–99.99% 	<ul style="list-style-type: none"> MERV 14 MERV 15 (available soon) 	<ul style="list-style-type: none"> All MERV ratings HEPA
<input type="checkbox"/> ADD UV LIGHTS	Kills viruses on surfaces and in airstreams when applied correctly	<ul style="list-style-type: none"> Airstream UV disinfection (available for VX/E via SDR) 	<ul style="list-style-type: none"> Airstream UV disinfection Surface decontamination
<input type="checkbox"/> CONSIDER BIPOLAR IONIZATION	Releases charged atoms that surround and deactivate airborne viruses	<ul style="list-style-type: none"> Available soon 	<ul style="list-style-type: none"> Available Factory-prep for field-applied
<input type="checkbox"/> INTEGRATE HUMIDIFIERS	ASHRAE recommends 30-60% RH to reduce viral lifespan	<ul style="list-style-type: none"> Not available (insufficient space within cabinet) 	<ul style="list-style-type: none"> Available
<input type="checkbox"/> SPECIFY PRE-ENGINEERED CONTROL SEQUENCES	24-hour ventilation can reduce the spread of COVID, and is consistent with ASHRAE recommendations	<ul style="list-style-type: none"> Discharge air control With or without space reset Default sequence for Valent and Innovent 	