


VENTSIM PRODUCT AND PRICING COMPARISON LIST - INTERNATIONAL

	Ventsim Classic	Ventsim Visual Standard	Ventsim Visual Advanced	Description 
Graphics				
Graphics	3D Wireframe	3D Solid or Wireframe	3D Solid or Wireframe	Correctly sized graphics show true dimensions and shapes of airway
Non active display Option	Dark Color	Semi Transparent	Semi Transparent	Simplify display by making some airways transparent - levels can be varied
Hardware Acceleration		✓	✓	Fast, smooth 3D display of any complexity on most modern PCs and laptops
Animated Airflows & Fans		✓	✓	Airflows move in real time through network, operating fans spin
Units	SI Metric/Imperial	SI Metric/Imperial	SI Metric/Imperial	Imperial / Metric can be mixed if required
DXF Import	✓	✓	✓	Import centrelines from CAD package for rapid building of Ventsim networks
DXF Import Solids		✓	✓	Import solids including terrain surfaces, orebodies, development etc
Undo function	✓	✓	✓	
Simulation				
Maximum Network Airways	30000	30000	30000	
Simulation Method	Single Pass HC	MultiPass HC	MultiPass HC Mass Flow	Hardy Cross - Multipass simulation improves accuracy and robustness
Airway reversing	manual	automatic	automatic	Airways with no exits or entries are automatically reversed to allow simulation to continue
Compressible Flows			✓	compressible airflows effects at depth are modelled
Coloured Data Display		✓	✓	Display any data by colour with adjustable legend and sliders
Ventsim Air Data Types	24	36	60	Number of calculated data type that can be shown on screen, colour legend or spreadsheet
Switchable Fans (on/off)		✓	✓	fans can be switched on or off and left in network - fan can be made self closing or open
Variable Speed Fans		✓	✓	Different fan speeds can be easily modified in network
Reversible Fans		✓	✓	fans can be reversed with reduced performance (for emergency simulation)
Thermodynamic				
Heating and Cooling			✓	includes heat or re Fridgeration options in network analysis
Rock Thermal Input			✓	predicts heat and moisture emanated from rock strata
Diesel Equipment			✓	predicts heat and humidity generated by diesel equipment
Natural ventilation	manual	manual	automatic	Uses thermodynamics to simulate natural ventilation effects
Contaminant				
Distribution Prediction	✓	✓	✓	Distributes smoke or other contaminants through network
Sourcing Assistant	✓	✓	✓	Shows spread and possible source location of smoke or other contaminants
Sourcing Concentration		✓	✓	Shows upstream path and concentrations of contaminated (or fresh) airflow
Diesel Particulate Simulation			✓	Utilises diesel engine sources to estimate DPM levels throughout the mine.
Other Features				
Recirculation Detector			✓	Searchs network for paths that recirculate a portion of air
Economic Airway Size Predictor			✓	Automatically graphs airflow and costs through a range of different airway sizes and types
Auto Simulate		✓	✓	Automatically updates and simulates networks while being built or modified
File System	*.SIM (text)	*.SIM *.VSM *.TXT	*.SIM *.VSM *.TXT	Ventsim Visual versions can load V3.9 SIM files and convert to Visual VSM files
Import Data	Text, DXF	Text, DXF, VNETPC	Text, DXF, VNETPC	Ventsim can build networks from CAD or Mine Planning DXF files, or directly import VNETPC
Pricing (Jan 2010)				
License Type	USD \$1495	USD \$2495 *	USD \$3995 *	Full license price includes the first 3 months of maintenance and upgrades
License Type	Site	Per PC or Individual	Per PC or Individual	Visual licenses contain "virtual keys" restricting use to one PC at a time
Optional annual maintenance **	N/A	\$499	\$799	12 Months Includes unlimited upgrades, tech support, quartely newsletter
Rental Option (per 3 months)	N/A	\$399	\$599	Time limited license, includes upgrades and support
Additional Site Licenses	N/A	25% discount	25% discount	

* includes 3 month warranty/maintenance subscription, excludes any applicable regional taxes

** optional annual maintenance is applied after the initial 3 month maintenance period.

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