

SOLIDWORKS FLOW SIMULATION

PRODUCT MATRIX

FEATURES	SOLIDWORKS FLOW SIMULATION	HVAC MODULE	ELECTRONICS COOLING MODULE
Ease of Use	✓	✓	✓
Design Data Reuse	✓		✓
Multi-Parameter Optimization	✓	✓	✓
SOLIDWORKS Flow Simulation Capabilities	✓		
Material Database	✓	✓	✓
Internal	✓	✓	✓
External	✓	✓	✓
2D – 3D	✓	✓	✓
Heat Conduction in Solids	✓	✓	✓
Gravity	✓	✓	✓
Rotation	✓		
Free Surface	✓		
Symmetric	✓	✓	✓
Gases, Liquids, Steam	✓		
Boundary Layer Description	✓	✓	✓
Mixing Flows	✓		
Non Newtonian Fluids	✓		
Flow Conditions	✓	✓	✓
Thermal Conditions	✓	✓	✓
Wall Conditions	✓	✓	✓
Porous Components	✓	✓	✓
Visualization	✓	✓	✓
Results Customization	✓	✓	✓
Communication & Reporting	✓	✓	✓
Two-Phase (Fluid + Particles) Flows	✓	✓	✓
Noise Prediction (Steady State and Transient)	✓		
HVAC Conditions		✓	
Tracer Study		✓	
Comfort Parameters		✓	
Electronic Conditions			✓
Circuit Board Component Simplifications			✓
Joule Heating			✓