

BREEZE AERSCREEN

BREEZE AERSCREEN is a simple to use, intuitive screening air quality modeling system designed to streamline the setup, execution, and analysis of a model scenario without the complications associated with data entry via a DOS comand prompt window. The following are some of the features BREEZE AERSCREEN modelers enjoy:

Displays	EPA AERSCREEN	BREEZE AERSCREEN
Intuitive "Ribbon bar" Navigation / Menu		✓
Print and Print Preview		✓
Project View (Scenario setup, properties, and messages)		✓
Model Properties Display / Edit Panel		✓
Scenario Diagnostics with IntelliClick		✓
Report View		✓
Hep View		✓

Project File Management	EPA AERSCREEN	BREEZE AERSCREEN
Long File Names with Spaces		✓
"Smart" File Naming - <i>Never Overwrite your Results Again!</i>		✓
Automatic File Archiving (Zip file)		✓
Intuitive File Extensions		✓

Sources / Emissions	EPA AERSCREEN	BREEZE AERSCREEN
Models a single source	✓	✓
Point / Stack (vertical, horizontal, capped)	✓	✓

Area (rectangular, circular)	✓	✓
Volume	✓	✓
Flare	✓	✓
English or metric units	✓	✓

Receptors	EPA AERSCREEN	BREEZE AERSCREEN
Automated receptor arrays	✓	✓
Ground Level or Above Ground Level Receptor Locations	✓	✓

Building Effects	EPA AERSCREEN	BREEZE AERSCREEN
Single building mode	✓	✓
Multiple building mode using imported BPIP file	✓	✓
Automated BPIP model setup, execution, and importation		✓

Terrain / Elevation Data Processing	EPA AERSCREEN	BREEZE AERSCREEN
7.5 Minute DEM Files	✓	✓
1 Degree DEM Files	✓	✓
NED Data Files	✓	✓
Detailed Reporting	✓	✓
Compatibility with Both E,W,N,S Hemispheres	✓	✓

Meteorological Data Processing	EPA AERSCREEN	BREEZE AERSCREEN
Uses model generated, hourly meteorological data	✓	✓
Capable of setting bounds on meteorological conditions	✓	✓
Surface characteristics can be user defined, selected from lookup tables, or imported from an AERSURFACE file	✓	✓
Table Display (of meteorological parameters)		✓

Model Output	EPA AERSCREEN	BREEZE AERSCREEN
Maximum 1 hour concentration at each modeled receptor	✓	✓
Impact summary for 1, 3, 8, 24, and annual averages	✓	✓
Files for Post Processing and Plotting High Values in BREEZE 3DAnalyst	✓	✓
Export Tabular Results to Microsoft® Excel format		✓
Export Charts to .bmp, jpg, or .png formats		✓

Model Execution	EPA AERSCREEN	BREEZE AERSCREEN
Scenario Diagnostics		✓
Enhanced Runtime Display		✓

Charting	EPA AERSCREEN	BREEZE AERSCREEN
Concentration vs. Distance		✓
Concentration Flow Sector Analysis		✓
Impact Distance Flow Sector Analysis		✓