



Avtron 9000 SERIES Medium Voltage Load Banks



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AVTRON
POWER SOLUTIONS

Avtron 9000 SERIES Load Banks

Avtron 9000 SERIES load banks are direct connect, medium voltage, outdoor, resistive units for testing power supplies at unity power factor.

Featuring rugged, heavy-duty construction, 9000 SERIES load banks are designed for continuous use and are built to withstand the demands of medium voltage applications under outdoor conditions.

All models can be customized for specific application and are available from 500 to 7500kW for a wide range of voltages. Remote manual control is standard. Digital controls are available for when a networking, Modbus, and building management interface is required. 9000 SERIES load banks are suited for utilities, mission-critical, data center, equipment rental, factory testing, and renewable energy applications.



Product Knowledge

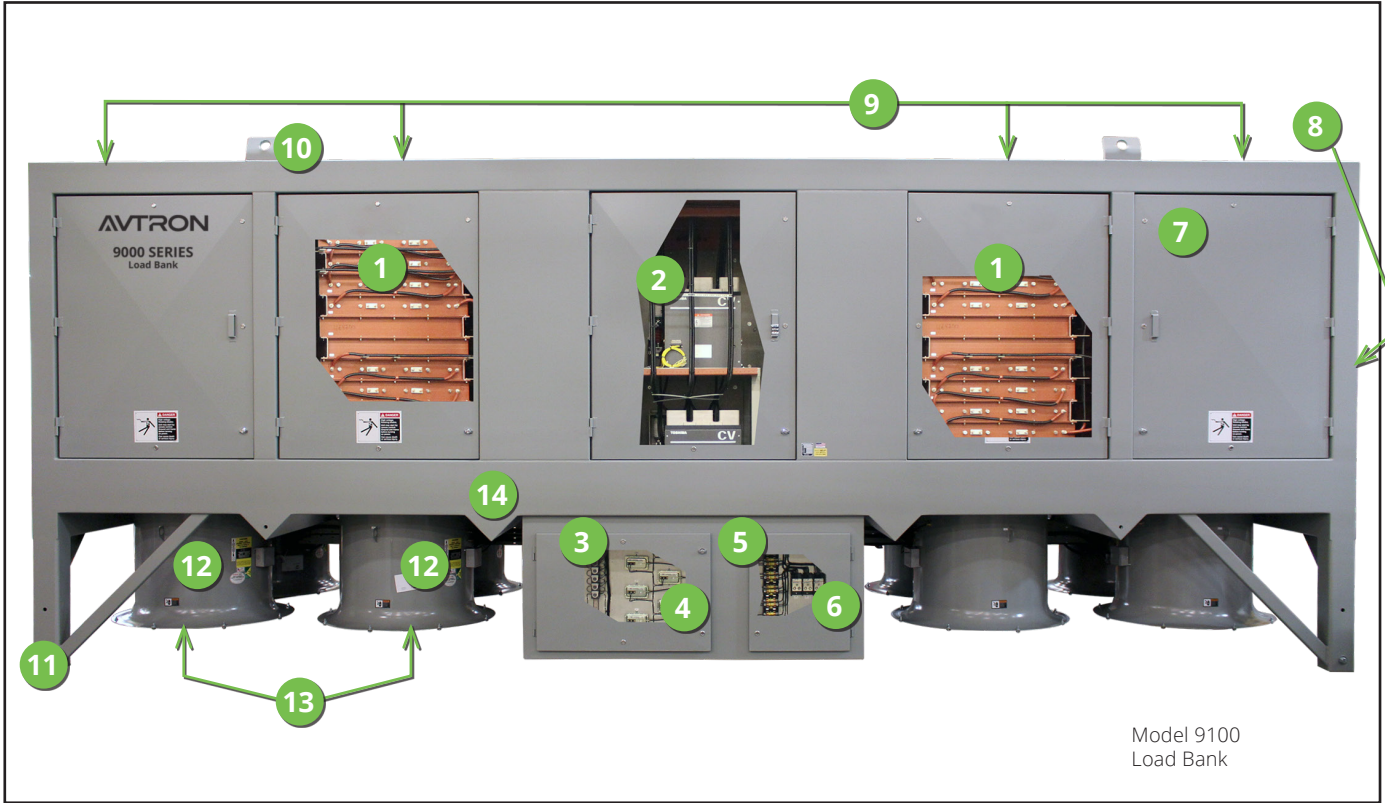
[Load Bank Overview Brochure](#)

[Medium Voltage Load Banks](#)

- Resistive Only
- Capacities from 500 to 7500kW
- Manual, PLC, Remote I/O controls
- Permanent Medium Voltage Units

9000 SERIES Features

9000 SERIES load banks present unique features to provide reliable and accurate load testing for any applications.



- 1

Medium Voltage Resistive Element Assemblies.
- 2

Medium Voltage Contactor Area contains continuous-duty medium voltage contactors.
- 3

Over-Temperature Protection automatically drops applied load if an over-temperature condition is detected.
- 4

Differential Air Pressure Switch protects the unit by dropping applied load if cooling airflow is not detected.
- 5

Blower Motor Circuits provide fuse and overload protection
- 6

Blower Power Input Area is located behind the hinged access door.
- 7

Hinged and Lockable Access Doors provide superior safety and environmental protection.
- 8

Medium Voltage Cable Input allows easy access to input bus bars.
- 9

Exhaust Hoods (not shown) direct hot air upward and away from personnel.
- 10

Lifting Cleats provide easy lifting via customer-supplied spreader bars.
- 11

Extension Legs (not shown) are field-installed and elevate the load bank for proper airflow.
- 12

Cool Air Intake Blower Motors provide cool airflow and prevents damage from foreign objects.
- 13

Cool Air Intake Screens prevent damage from foreign objects.
- 14

Steel Construction with Industrial Grade Paint Finish provides superior heat deflection and corrosion protection.



Avtron 9000 SERIES Medium Voltage Direct Connect Load Banks test loads from 1000 V to 15 kV, without requiring step-down transformers.

SIGMA 2 Control

SIGMA is the embedded multifunction control platform for Avtron load banks. It is flexible, feature-rich, and cost-effective. The platform offers intelligent, accurate, and user-friendly control. This provides facilities with best-in-class test and data acquisition capabilities, including:

- ability to network multiple load banks
- control for one or many load banks from a computer or a hand-held device
- communication with building management, Modbus, or SCADA systems for unified site control




SIGMA 2 is a sophisticated load bank control solution that offers advanced instrumentation, ISO8528-compliant data acquisition, and site load correction for any application.

Product Knowledge

 [SIGMA Load Control Overview Brochure](#)

 [SIGMA 2 Brochure](#)

 [Benefits of Networking Load Banks](#)

9000 SERIES Specifications

Model Name	Capacity (kW)	Frequencies Available (Hz)	Voltage Range (kV)	Ambient Temperature Range	Hot Air Discharge Direction	Control Options	Optional Extras
9100	3000-7000	50, 60, 50/60	5-15	-20°F to 120°F	Vertical	Remote, Local Manual Control, Pilot Relays, Remote I/O, PLC	Control Power Transformer, Digital Metering, Arctic Grade
9200	2000-3000						
9700	3750-7500						
9800	600-3000	50, 60, 50/60	5-15	-20°F to 120°F	Vertical	Remote, Local Manual Control, Pilot Relays, Remote I/O, PLC	Control Power Transformer, Digital Metering, Arctic Grade

9000 SERIES Models

Avtron 9000 SERIES Load Banks are available in the following configurations and can be customized to meet the needs of specific applications.

Direct Connect



9100 | 3000-7000 kW



9200 | 2000-3000 kW



9700 | 3750-7500 kW

Step-Down Transformer



9800 | 600-3000 kW

Follow the links to web page for each model.



Avtron 9000 SERIES Medium Voltage Load Banks.



www.avtronpower.com

Avtron Power Solutions

6255 Halle Drive
Cleveland, OH 44125, USA
Tel: 216 573 7600
LBsales@ascopower.com

Cliffe Road, Easton-on-the-Hill
Stamford PE9 3NP, United Kingdom
Tel: +44 (0) 1780 480033
LBsalesint@ascopower.com