

Electrostatic Dry Washer Concentrator

SKU: AVES-1000 / AVES-1200 / AVES-1600 · Waterless Gold Recovery System

99% RECOVERY RATE	40–60 kV ELECTROSTATIC	5 t/hr MAX CAPACITY	Zero WATER
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PRODUCT OVERVIEW

The AVES Series Electrostatic Dry Washer Concentrator is a waterless gold recovery system combining vibratory screening with 40,000–60,000V electrostatic separation to capture fine and micron-sized gold particles with 99% recovery — entirely without water. Three scalable models cover prospecting through full commercial operations.

MODEL SPECIFICATIONS

Specification	AVES-1000	AVES-1200	AVES-1600
Table Dimension	1000 × 3000 mm	1200 × 5500 mm	1600 × 5000 mm
Motor Power	2 × 1.9 KW	2 × 2.2 KW	2 × 3 KW
Power Supply	380/480V 3-Ph	380/480V 3-Ph	380/480V 3-Ph
Electrostatic	40–60 kV	40–60 kV	40–60 kV
Current	75 mA	100 mA	100 mA
Capacity	0.5–1.5 t/hr	1–3 t/hr	2–5 t/hr
Application	Prospecting	Artisanal / Semi	Commercial
Water Required	None	None	None

CORE TECHNOLOGY

Separation Method	High-voltage electrostatic + vibratory screening
Electrostatic Voltage	40,000–60,000 V generator
Upper Screen	Perforated aluminum — primary separation
Lower Screen	Indian Head cloth — micron particle retention
Recovery Rate	99% including fine and micron-sized gold
Water Consumption	Zero — fully dry operation

KEY ADVANTAGES

Zero water dependency makes the AVES series deployable in desert regions, water-restricted jurisdictions, and off-grid remote sites. Low power draw (3.8–6 kW total) is compatible with generator-powered operations. No tailings ponds, no chemical runoff, and significantly reduced environmental permitting burden.