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Model Number: SDP0109001
DriStorm Suntec SDP0109001 Magnetic Solenoid Valve Coil 115V Sanhua SHF-4-10L4
Manufacturer: Clean Storm

DriStorm / Suntec SDP0109001 Magnetic Solenoid Valve Coil Assembly
Replacement 115-volt magnetic valve coil assembly for select DriStorm and Suntec commercial dehumidifiers. This assembly includes the Sanhua solenoid coil, metal mounting frame, attached wiring harness, insulated terminals, and protective wire covering shown in the product photographs.

Product Highlights

- Replacement magnetic solenoid valve coil assembly
- Designed for applications specifying Suntec part SDP0109001
- 115-volt AC operation
- Includes attached wiring harness and insulated quick-connect terminals
- Sanhua SHF-4-10L4 coil construction
- Commercial dehumidifier replacement component

Product Specifications

Brand/Application
DriStorm / Suntec

Suntec Part Number
SDP0109001

Manufacturer
Sanhua

Sanhua Model
SHF-4-10L4

Additional Number
14111001

Part Type
Magnetic solenoid valve coil assembly

Rated Voltage

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AC 110–120 volts

Nominal Application Voltage
115 volts AC

Frequency
50/60 Hz

Power Consumption
4.5 watts at 50 Hz / 3.5 watts at 60 Hz

Coil Marking
14V10J

Electrical Connection
Attached wire harness with insulated quick-connect terminals

Quantity
One complete coil and wiring assembly

What Does This Part Do?

The magnetic valve coil creates an electromagnetic field when electrical power is applied. This field operates the corresponding refrigerant valve mechanism inside the dehumidifier. The valve is used by the refrigeration system to control refrigerant flow during normal operation or defrost functions, depending on the dehumidifier design.

This listing is for the electrical coil and attached wiring assembly shown. It does not include the complete refrigerant valve body or adjoining refrigeration tubing unless specifically pictured.

Possible Symptoms of a Failed Magnetic Valve Coil

- Valve does not actuate when energized
- Dehumidifier does not enter or exit defrost correctly
- Coil becomes excessively hot
- Coil tests open or shows no electrical continuity
- Valve operates intermittently
- Attached wiring or insulated terminals are damaged
- Control board sends voltage, but the valve does not respond
- Coil housing shows signs of overheating, cracking, or electrical damage

Diagnostic note: A valve that does not operate may also be caused by a failed control board, damaged wiring, incorrect voltage, a mechanically stuck valve body,

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or another refrigeration-system problem. Confirm that the coil receives the correct voltage and test its electrical continuity before replacing components.

Compatibility

Intended for select DriStorm and Suntec commercial dehumidifiers that specify SDP0109001 as the magnetic valve or solenoid coil assembly.

Important compatibility notice: Dehumidifier refrigeration components may vary by model, serial number, compressor, production date, and control-system revision. Confirm the original part number, voltage, coil markings, mounting dimensions, wiring length, and terminal arrangement before ordering.

Before Ordering

- Confirm Suntec part number SDP0109001.
- Confirm Sanhua model SHF-4-10L4.
- Verify the original coil is rated AC 110–120 volts.
- Compare the metal mounting frame and mounting-hole locations.
- Compare the wire length and protective black wire covering.
- Compare the insulated terminal style and wire arrangement.
- Confirm that you need the electrical coil rather than the complete valve body.

Installation Guidelines

- Disconnect the dehumidifier from electrical power before servicing.
- Photograph the original wiring and coil mounting position before removal.
- Verify that no voltage is present at the coil terminals.
- Disconnect the insulated electrical terminals without pulling directly on the wires.
- Remove the original coil assembly from the valve stem or mounting location.
- Install the replacement in the same position and orientation.
- Route the wires away from fan blades, sharp sheet metal, hot tubing, and moving parts.
- Reconnect the terminals securely and reinstall all protective cabinet panels.
- Restore power and confirm proper valve operation.

Package Includes: One SDP0109001 magnetic solenoid valve coil assembly with Sanhua SHF-4-10L4 coil, metal mounting frame, attached blue leads, insulated terminals, and protective wiring, as shown in the product photographs.

Not Included: Refrigerant valve body, copper tubing, compressor, control board, mounting hardware not shown, dehumidifier, or additional refrigeration components.

Electrical and refrigeration warning: Disconnect all electrical power before service. Refrigeration-system diagnosis and electrical repairs should be completed by a qualified technician familiar with commercial dehumidifiers and refrigerant-control valves.

Product photographs are supplied for identification. Orders are fulfilled according to the listed part number and electrical specifications. Wire color, connector color, printed markings, mounting-frame finish, and minor manufacturing details may change without notice.

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Availability: This product was added to our catalog on Tuesday 04 August, 2026

Steambrite Supply