

# SKR

## *Residential Humidifier* *Patent Siphon System*



**neptronic**<sup>®</sup>  
[www.neptronic.com](http://www.neptronic.com)



# SKR

## **Residential** Humidifier

*Patented Siphon System*

**A high quality humidifier  
at home is not a luxury,  
it is a necessity!**



We spend a significant part of our daily life at home. Therefore, our **health** and **comfort** does depend to a great degree on the environmental conditions within our residences. One of the most important of these conditions is humidity.

Humidifying your home with a **Neptronic SKR** residential steam humidifier will help protect your body from winter illness and reduce dry skin, sinus problems and scratchy throats, therefore creating a healthier, more comfortable living environment.

In a home with a dry environment, hardwood floors, antique furniture, works of art, etc., may crack, warp or peel. Proper humidity levels prevent these problems and **protect** these valuables from permanent damage. Humidity control also **eliminates static electricity**, which causes annoying shocks and can damage VCR's, computers and other expensive electronic devices.

Warm dry air cools the skin surface, making a room feel cold. The natural reaction is to "turn up the thermostat", when in fact, the solution is to humidify the air. Increasing the humidity level in a home makes the air feel warmer at lower temperatures. The result is a warmer and more comfortable environment at a lower **money saving** temperature!

A state-of-the-art humidifier improves indoor air quality, enhances a family's health and comfort while protecting valuable objects in a home!

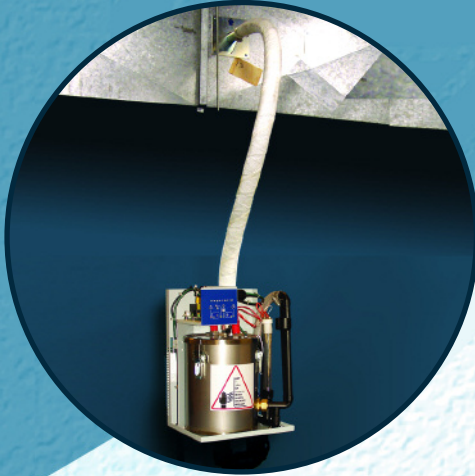




**Neptronic SKR** humidifiers offer two installation options to better suit your needs.

(Photos show humidifiers without covers)

## Duct Distribution

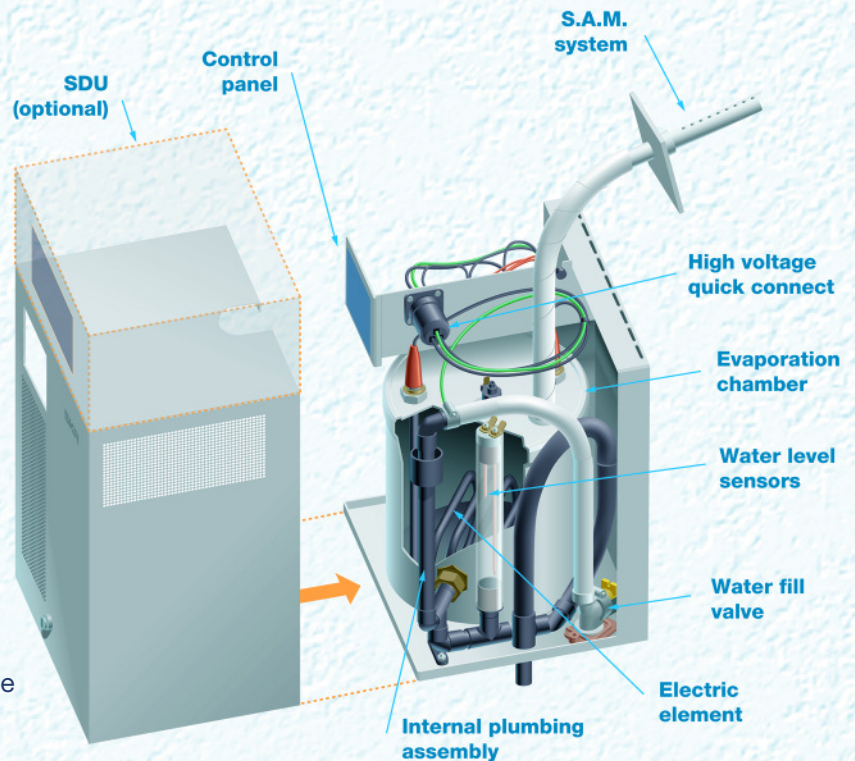


## Fan Distribution (SDU)



## Evaporate water, not money!

The **Neptronic SKR** humidifier includes a permanent, reusable stainless steel chamber instead of a disposable plastic bottle that must be replaced at least once a year, resulting in thousands of dollars of savings. These savings will more than pay for the initial cost of the humidifier.

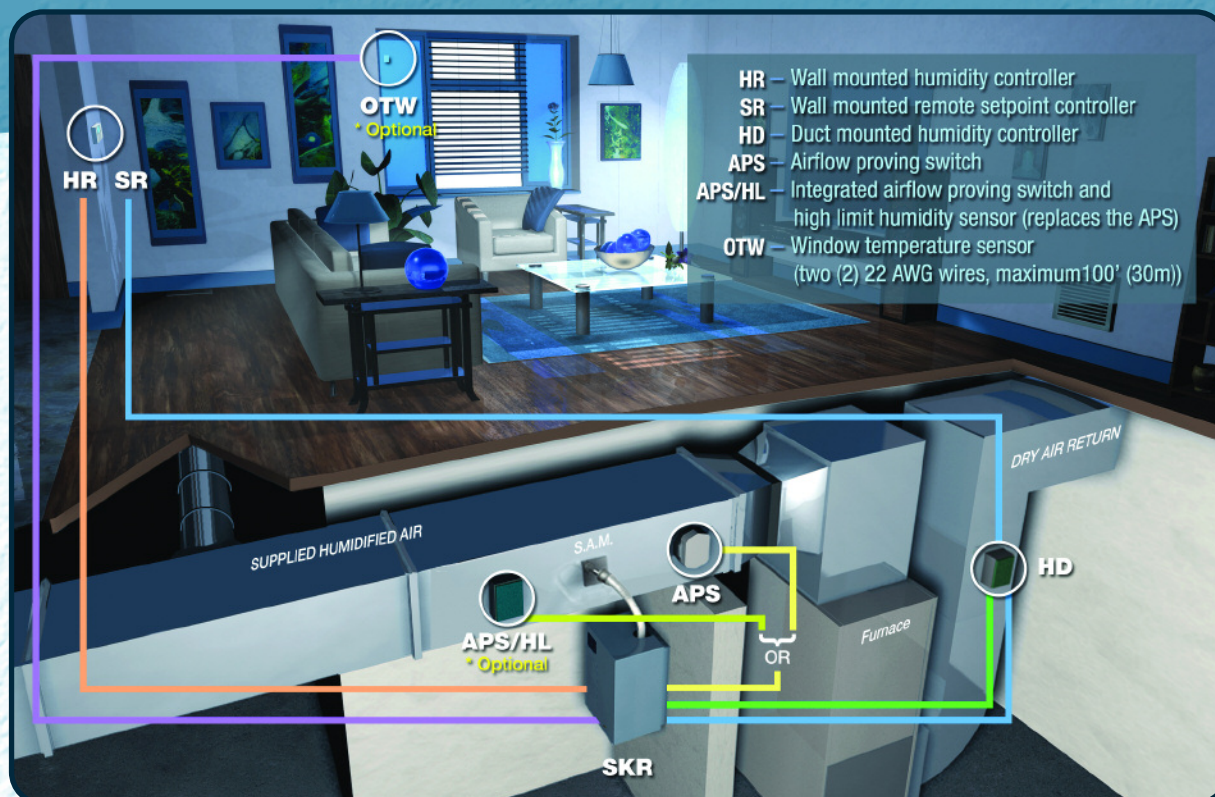


## Technical Information

NEPTRONIC SKR HUMIDIFIER SPECIFICATIONS							
MODEL	CASA SKR14	VILLA SKR25		CHATEAU SKR30		BELVEDERE SKR40	
<b>CAPACITY</b>	4.5 lb/hr (2.0 kg/hr)	7.5 lb/hr (3.41 kg/hr)		9 lb/hr (4.10 kg/hr)		12 lb/hr (5.45 kg/hr)	
<b>POWER</b>	1.4 Kw	2.5 Kw		3 Kw		4 Kw	
<b>VOLTAGE</b>	120V / 1ph	208V / 1ph	240V / 1ph	208V / 1ph	240V / 1ph	208V / 1ph	240V / 1ph
<b>AMPERAGE</b>	12 A	12 A	11 A	14.5 A	13 A	19.2 A	17 A
<b>WIDTH</b>	10.5" (267mm)	10.5" (267mm)		10.5" (267mm)		10.5" (267mm)	
<b>HEIGHT</b>	14.5" (368mm)	14.5" (368mm)		14.5" (368mm)		14.5" (368mm)	
<b>DEPTH</b>	9" (229mm)	9" (229mm)		9" (229mm)		9" (229mm)	
<b>HEIGHT with SDU</b>	19.75" (500mm)	19.75" (500mm)		19.75" (500mm)		19.75" (500mm)	

• Operation with maximum 0.5" (125Pa) duct static pressure at steam distribution manifold location





Sample order number

**SKR14-120-ROW**

### Neptronic SKR Selection Guide

<b>14-120</b>	1.4 Kw, 4.5 lb/hr (2.05 kg/hr), 120VAC/1ph/60Hz only (CASA)
<b>25-2xx</b>	2.5 Kw, 7.5 lb/hr (3.41 kg/hr), 240VAC/1ph/60Hz only (VILLA)
<b>30-2xx</b>	3.0 Kw, 9.0 lb/hr (4.10 kg/hr), 240VAC/1ph/60Hz only (CHATEAU)
<b>40-2xx</b>	4.0 Kw, 12.0 lb/hr (5.45 kg/hr), 240VAC/1ph/60Hz only (BELVEDERE)

**KIT "R"** - Wall mounted humidity controller with setpoint adjustment  
 - Airflow proving switch

**KIT "D"** - Duct mounted humidity controller with setpoint adjustment  
 - Airflow proving switch

**KIT "S"** - Duct mounted humidity controller  
 - Wall mounted controller for remote setpoint adjustment  
 - Airflow proving switch  
 - One (1) 10' (3m) pre-assembled control cable with telephone jacks (to connect the duct mounted humidity controller to the humidifier)

**KIT "N"** - Two terminal blocks to replace the jack connectors. No controllers, no cables, no airflow proving switch. I and W options not available.

**O** - No option selected

**I** - Integrated airflow proving switch and high limit duct humidistat to replace the airflow proving switch

**S** - Space distribution unit (SDU)

**O** - No option selected

**W** - OTW temperature sensor. Installed on the interior side of a windowpane and wired to the humidifier to prevent fogging on windows. (Cables by others)

**xx** Specify voltage 208 or 240 VAC

### All kits include:

- One (1) On/Off humidifier complete with:
  - One (1) remote alarm dry contact (1Amp/24VAC)
  - One (1) dry contact (3Amp/24VAC) to start the HVAC fan on a call for humidity
- One (1) SAM steam distribution manifold
  - 9" (229mm) long 7/8" (22mm) diameter for CASA SKR14 and VILLA SKR25 units
  - 14" (356mm) long 1 3/8" (35mm) diameter for CHATEAU SKR30 and BELVEDERE SKR40 units
- 6' (1.8 m) flexible steam hose to connect to steam distribution manifold
- Two (2) pre-assembled control cables with telephone jacks (One (1) 50' (15m) and one (1) 10' (3m)) for R and S kits only





The state-of-the-art **Neptronic SKR** humidifier improves indoor air quality, enhances your family's health and comfort while protecting the valuable items in your home!



## Modern Design and Advanced Technologies

### Features of the SKR

- Capacities from 4.5 to 12lb/hr (2 to 5.5kg/hr) of steam
- On/Off operation, modulation optional
- Permanent cleanable stainless steel evaporation chamber
- Self-cleaning elements
- Siphon drain requires no drain valve or external tap
- Simple control wiring using pre-assembled cables with telephone jacks
- Easy to install, operate and maintain
- No expensive plastic cylinders to buy
- Environmentally friendly - no plastic cylinders to throw away
- No more blocked drain solenoid valves
- Drain water tempered to below 140°F (60°C)
- Generates pure and sterile steam



SKR Control Panel Display

Using the factory assembled telephone cables with jacks eliminates control wiring errors. Features and components found in our patented SK-300 series "commercial humidifiers" have been incorporated in the **Neptronic SKR** to provide the most dependable humidifier system on the market. The steam can be supplied into the duct with a dispersion tube or directly into the room with a fan distribution unit (SDU).



# NEPTRONIC'S FAMILY OF HUMIDIFIERS



**SK300**  
ELECTRIC HUMIDIFIER

**SKR**  
RESIDENTIAL HUMIDIFIER

**SKG 3000**  
GAS HUMIDIFIER

**SKS**  
STEAM TO STEAM

**SKSI**  
DIRECT STEAM

**JetSpray**  
AIR AND WATER ATOMIZING  
HUMIDIFIER

**HumEvap MC3**  
EVAPORATIVE  
HUMIDIFIER/COOLER

## HUMIDISOFT

Saves you time when sizing and specifying commercial, industrial or residential humidifiers.

- Calculates required humidification load
- Selects humidifier model and available options
- Indicates non-wetting absorption distance
- Complete steam dispersion manifold design tool
- Creates equipment schedule and specification
- Generates approval specification sheet
- Saves your project history in a data base

**EASY-TO-USE!**

distributed by:



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Member of  
**BACnet<sup>®</sup>**  
International

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