

INSTALLATION INSTRUCTIONS & OPERATION GUIDE

Desert Spring Auto Flush System

For Installation with DS3200/DS2001/DS2000 Model Humidifier Systems

COMPONENTS INCLUDED

1– Desert Spring Auto-Flush Timer

20 foot – 1/2" Drain Hose

1– 24V Plug-in Transformer

1– Brass Fitting with rubber washer

3 – 1/2" Hose Clamps

4 – Mounting Screws

If any components are missing or damaged, call toll free 1-888-486-4324 or email info@desertspringproducts.com

REQUIRED TOOLS

Multi-head Screwdriver, Knife

CAUTION: This device requires a floor drain or must be used in conjunction with a pumping device (i.e. DS-X20) to operate. For more information contact us at the phone number or email address above.

This product is for the intended use outlined in the manufacturer's instructions.

WARNING: SHUT OFF THE WATER SUPPLY TO HUMIDIFIER PRIOR TO INSTALLING THE AUTO-FLUSH SYSTEM. ALL PLUMBING AND ELECTRICAL CONNECTIONS MUST CONFORM TO LOCAL CODES.



NOTE: If the Desert Spring Auto-Flush system is turned on before installation is complete, the solenoid will vibrate and generate a noise. Once water is present the noise will cease.

INSTALLATION INSTRUCTIONS

STEP 1

Shut off the water supply to your humidifier.

STEP 2

Select a suitable location for the Auto-Flush unit, no more than 2 1/2 feet below your humidifier. A suitable floor drain must be located nearby for discharge water to run into. You will also require a 110/120-volt outlet within 6 feet of the unit. NOTE: Drain tubing must run on a continuous down hill slope to ensure proper drainage. The tubing must not kink or come into contact with sharp edges or hot surfaces.

STEP 3

Thoroughly clean your Desert Spring Humidifier following the manufacturer's instructions.

STEP 4

Remove cap from humidifier drain assembly and attach supplied brass drain adapter. Use of Teflon plumbing tape on this connection is recommended as an additional measure to prevent leakage.

STEP 5

Position Auto Flush in previously selected position. Attach to metal ductwork using sheet metal screws provided. Ensure the Auto Flush unit is level and oriented vertically with valve openings on bottom of the unit.

STEP 6

Cut a piece of supplied drain tube long enough to reach from the brass adapter located on the bottom of the humidifier basin to the horizontal INLET valve opening on the Auto Flush. Slide two hose clamps onto tubing prior to attaching to adapter and inlet valve. Connect the remaining tubing to the OUTLET valve opening (points down) on the Auto Flush and runs to the floor drain. Cut off excess hose. **BE CERTAIN TO USE SUPPLIED HOSE CLAMPS TO**



SECURE TUBING AT POINTS OF ATTACHMENT AND TO PREVENT LEAKS. DRAIN TUBING MUST NOT KINK, OR COME IN CONTACT WITH SHARP EDGES OR HOT SURFACES.

STEP 7

Turn on water supply and allow the humidifier basin to fill with water.

STEP 8

Plug the Desert Spring Auto Flush transformer into nearest 110/120-volt outlet. Run wire from transformer to Auto Flush and plug into bottom of unit. When connected properly red LED light(s) will appear on Auto Flush unit.

TESTING THE UNIT

- Check all connections for leaks.
- To test Auto Flush, press and hold the function button on front of Auto Flush unit for 3 seconds. LED(s) will begin to flash and water will begin to drain through the system. Press and hold again to stop water flow OR wait for approximately 90 seconds and the valve will close automatically.

SELECT DRAIN CYCLE FREQUENCY

Selection should be based on hardness of water and water availability. A 48-hour cycle is recommended for optimal water conservation. Hardness of water may require selecting a more frequent drain cycle.

- Test: To ensure the system is functioning, press and hold function button for 3 seconds to activate. LED(s) will flash and valve will open for approximately 90 seconds.
- 12 Hr Drain Cycle: Press function button once. Lower LED light will come on.
- 24 Hr Drain Cycle: Press function button again. Upper LED light will come on.
- 48 Hr Drain Cycle: Press function button again. Both LED lights will come on.
- Press again to return to 12 Hr Drain Cycle.

SEASON END MAINTENANCE



Turn OFF water supply to humidifier. Turn humidistat setting to OFF. Initiate TEST mode on Auto Flush to drain water from humidifier basin. Once system is completely drained, unplug Auto Flush transformer from wall outlet.



WARRANTY

Desert Spring Products Limited guarantees the Desert Spring Auto Flush drain system for one (1) year from date of original purchase against defects in workmanship and/or materials. This warranty is void if the unit is damaged by careless handling, improper use, non-standard operating conditions, improper maintenance, unauthorized repairs or if the product has been tampered with.

This warranty is limited to repair or replacement of the Auto Flush unit at the discretion of the manufacturer. No other warranty is offered or implied. This warranty is not transferable. A receipt of purchase or record of installation must accompany all warranty claims.

POWER FAILURE

In the event of a power failure, the mode is saved but the timer is not. At power up, the timer automatically sets to 6 hours. For example, following a power failure, if the mode was originally set to 12 hours, it will drain 6 hours later and every 12 hours after that. If the mode was originally set to 24 hours, it will drain 18 hours later and every 24 hours after that.

THANK YOU FOR CHOOSING THIS QUALITY DESERT SPRING PRODUCT

If you have questions or suggestions, call toll free 1-888-486-4324 or email info@desertspringproducts.com

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DISCLAIMER

Except as expressly stated in this manual, Desert Spring Products Limited makes no representation or warranty with respect to the Auto Flush unit and disclaims all implied warranties including any warranty of merchantability or fitness for a particular purpose. In no event will Desert Spring Products Limited be liable to any customer or user of the humidifier for any indirect, incidental, or consequential damages or loss of revenues or profits, whether the same are foreseeable or not, occasioned by any cause whatsoever including, but not limited to, the installation or operation of this Auto Flush unit.