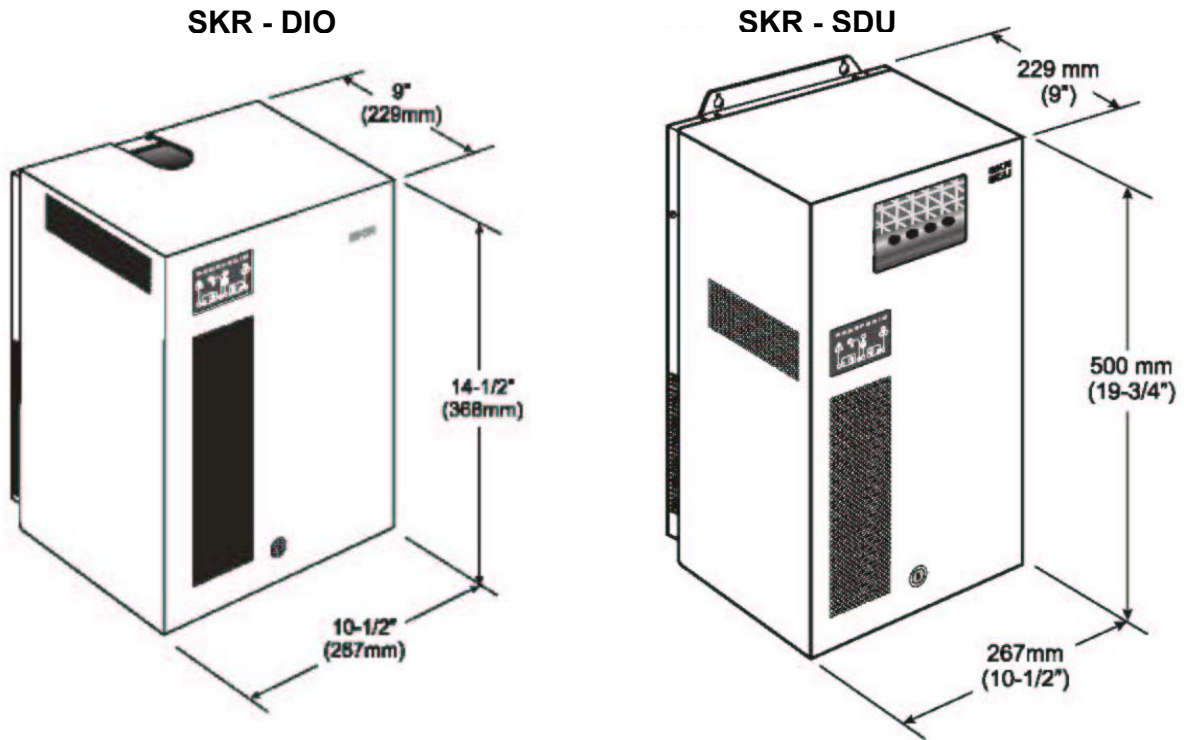


Specification for JS Neptronic SKR Resistive Steam Humidifier

- 1 The humidifier shall be WRAS approved, for direct connection to mains water supply, and shall comply fully with CE, UL and CSA requirements.
- 2 The humidifier shall be JS Neptronic SKR Resistive heating element steam humidifier type. This shall be of the resistive heating element type, capable of producing either 3 or 5kg/hr.
- 3 The humidifier components, including resistive elements, shall be covered by a warranty for a period of two years.
- 4 The SDU room version humidifier shall have dimensions of 368mm (Height) x 267mm (Width) x 229mm (Depth).
- 5 The DIO duct version humidifier shall have dimensions of 500mm (Height) x 267mm (Width) x 229mm (Depth).
- 6 The SDU humidifier package shall be complete with integral fan and steam header for room distribution, fail safe air pressure switch, room humidistat and 3 meters of RJ11 cable.
- 7 The DIO humidifier package shall be complete with steam distribution pipe incorporating inserted injection nozzles for shorter evaporation, 1.8 meters of interconnecting steam hose, duct mounted humidistat with 3 meters of RJ11 cable and air proving switch with 10 meters of RJ11 cable.
- 8 The humidifier shall temper its drain water to below 60°C.
- 9 The humidifier shall incorporate a siphonic drain system negating the use of drain valves and pump.
- 10 The case of the humidifier shall be baked enamel aluminium.
- 11 The steam shall be generated in a guaranteed-for-life, non-disposable, stainless steel boiling vessel.
- 12 The resistive heating element shall be self-cleaning and to be mounted on a detachable top plate. All elements in the boiling vessel and humidifier shall be rated at the same output and must operate in parallel to maintain a balanced electrical load at all times. Heating elements shall be Incoloy 825 of minimum diameter 12mm for optimum thermal performance.
- 13 The heating elements shall be protected by an over temperature cut off switch mounted on the lid of the evaporation chamber.
- 14 The DIO humidifier shall operate within the range of duct pressures of -125Pa to +125Pa.
- 15 The humidifier shall have one inlet valve and shall incorporate a strainer and flow restriction to suit connection to supplies from 1 – 4.8 bar and shall operate on a selectable pulsed fill cycle to maintain constant water level.
- 16 The humidifier range shall be suitable for connection to mains or softened water.
- 17 The humidifier shall have microprocessor control to monitor operational status maintenance period and fault condition.
- 18 The humidifier shall be fitted as standard with a PCB to indicate fault status remotely via volt-free contacts.
- 19 The operational status shall be indicated by a series of international symbols backlit by lifetime LEDs on the front of the unit.
- 20 The humidifier shall control its water level accurately using conductivity probes.
- 21 The humidifier shall periodically drain to limit mineral build up within the evaporation chamber.
- 22 Each humidifier shall require only a single 230V 50Hz power supply, with no separate power supply required for control circuits.
- 23 Easy maintenance of the humidifier shall be facilitated by a simply accessible evaporation chamber.
- 24 The humidifier shall be supplied complete with a WRAS approved non-return valve.
- 25 The humidifier shall be available with an optional OTW window temperature sensor. This sensor detects over humidity by means of condensation on the window and will stop the humidifier accordingly.
- 26 The system is to be supplied by:

JS Humidifiers plc,
Artex Avenue, Rustington,
LITTLEHAMPTON,
West Sussex, BN16 3LN UK,
Tel. 01903 850200;
Fax. 01903 850345
e-mail: sales@jshumidifiers.com;
website: www.jshumidifiers.com

Specifications at a glance.....



	SKR3E-SDU	SKR5E-SDU	SKR3E-DIO	SKR5E-DIO
Output	3kg/h	5kg/h	3kg/h	5kg/h
Voltage	230V	230V	230V	230V
Current	10A	16.1A	10A	16.1A
Dimensions (H x W x D)mm	500x267x229	500x267x229	368x267x229	368x267x229
Weight (Operating) kg	10 (16)	10 (16)	10 (16)	10 (16)
Water inlet connection	10mm (3/8")	10mm (3/8")	10mm (3/8")	10mm (3/8")
Drain connections	28mm	28mm	28mm	28mm
Max duct pressure	+/- 125 Pascals	+/- 125 Pascals	+/- 125 Pascals	+/- 125 Pascals
Steam outlet	N/A	N/A	22mm	35mm
Included...				
Steam distribution pipe	N/A	N/A	22mmØ x 229mm	35mmØ x 356mm
Steam hose and jubilee clips	N/A	N/A	1.8 Metres	1.8 Metres
Duct humidity sensor	N/A	N/A	Yes	Yes
Room humidity sensor	Yes	Yes	N/A	N/A
3 meters of RJ11 cable	Yes	Yes	Yes	Yes
High humidistat/air proving switch	N/A	N/A	Yes	Yes
12 meters of RJ11 cable	N/A	N/A	Yes	Yes