

JS Humidifiers plc

Neptronic SKE

Steam humidifier

Don't be fooled by its compact size. This unit is a lightweight that packs a heavyweight punch.

The JS Neptronic SKE delivers an impressive 5-80kg of steam per hour from a single unit that's more compact than any other steam humidifier.

This self-contained, resistive steam humidifier gives precise humidity control without the expense of replacement cylinders.



**Two-Year
Warranty
on all
parts**

- Self-cleaning elements
- Scale management system reduces scale build-up
- Close control - $\pm 1\%$ RH with RO water
- AFEC[®] - Anti-Foaming Energy Conservation System
- Fully CE compliant and WRAS approved
- Short evaporation, super-dry steam pipes as standard

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Two-Year Warranty On All Parts – no other steam humidifier offers you this!

Performance & Features

- 5-80kg steam per hour
- Duct pressures from 1,250Pa to 10,000Pa (with duct kit)
- 0-100% modulation as standard
- Works with any type of water – standard unit <math><0.5M\Omega</math> and SKE Ultra unit 1-18M Ω
- Fully motorised, full bore drain valve for superior operation
- Micro-processor control with LCD display and fault diagnostic linked to BMS
- Balanced electrical loading at all times, elements modulated by solid state relay, zero cross direction firing



Advanced Construction and Testing

The Nepronic SKE incorporates the most advanced materials to increase working life and reliability, setting it apart from other humidifiers on the market. Every single unit is thoroughly tested prior to despatch.

- Self-cleaning super alloy incoloy 825 heating elements that repel scale
- Stainless steel evaporation chamber with lifetime guarantee
- Rust-proof aluminium casing with baked enamel finish
- Teflon[®] sleeved stainless steel level control probe
- Silicon fill tubing for lasting transparency
- Purpose built electronics & electro-mechanical parts
- Wide, lockable hinged access doors
- Fully CE compliant and WRAS approved



Ultimate Steam Humidifier

The Nepronic SKE is the most advanced steam humidifier on the market.

Precise control, $\pm 1\%$ relative humidity, is attainable with RO water. Using the AFEC[®] system, it helps to virtually eliminate element burn-out and reduces maintenance with its unique scale management system.

However the most impressive feature is the fact that the heating elements actually repel scale. The specially designed incoloy 825 elements will stay clean of scale after many hours of operation – maintaining performance whilst reducing maintenance.

SKE Ultra unit available for ultra pure water (1-18M Ω) and particularly aggressive environments with stainless steel casing, double nickel plated elements and client configurable software for precise control.



Energy Conservation And Safety

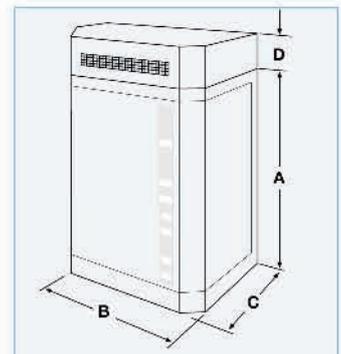
The patented AFEC[®] – Anti-Foaming Energy Conservation system provides three energy and safety features:

- Internal electronic “water mass” level sensor avoids element burn-out due to foaming
- Internal and external temperature sensors give double security against element burn-out.
- Internal foam sensor initiates drain only on foam formation saving expensive boiling water

That’s why we can offer a warranty on all parts including elements for two years. No other steam humidifier offers you this!

Dimensions & Weights	SKE05M	SKE10M	SKE20M	SKE30M	SKE40M	SKE50M	SKE60M	SKE80M
Dimensions A	(mm)	597	724	724	724	724	794	794
	(ins)	23 $\frac{1}{2}$	28 $\frac{1}{2}$	28 $\frac{1}{2}$	28 $\frac{1}{2}$	28 $\frac{1}{2}$	31 $\frac{1}{4}$	31 $\frac{1}{4}$
Dimensions B	(mm)	470	533	533	533	533	813	813
	(ins)	18 $\frac{1}{2}$	21	21	21	21	32	32
Dimensions C	(mm)	292	318	318	318	318	318	318
	(ins)	11 $\frac{1}{2}$	12 $\frac{1}{2}$					
Weight	(kg)	20	30	30	30	30	50	50
	(lbs)	44	66	66	66	66	110	110
Room Distribution Unit	RDU-1	RDU-2	RDU-2	-	-	-	-	-
Dimensions D+A	(mm)	737	890	890	-	-	-	-
	(ins)	29	35	35	-	-	-	-

Model	Power kW	Capacity kg/hr	Current (A)		No of outlets
			230V/1ph	400V/3ph	
SKE05	3.7	5	16	-	1
SKE10	7.5	10	-	11	1
SKE20	15	20	-	22	1
SKE30	22	30	-	33	2
SKE40	30	40	-	44	2
SKE50	36	50	-	53	2
SKE60	44	60	-	64	2
SKE80	60	80	-	87	3

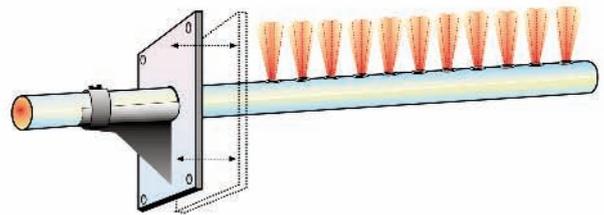
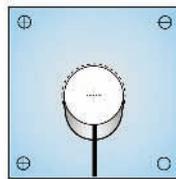
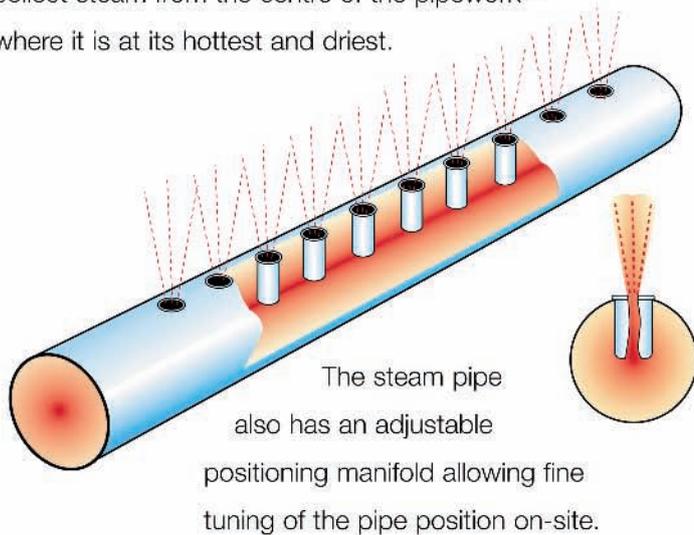


Neptronic SKE Steam Humidifier

Unique Super-Dry Steam Pipes As Standard

The Neptronic's super-dry steam pipes provide evaporation distances less than any standard steam distribution pipework.

These pipes guarantee condensation-free, dry steam delivery, due to the nozzles that collect steam from the centre of the pipework – where it is at its hottest and driest.



For critical applications that require ultra-short evaporation distances less than 60mm, the JS MultiSteam pipework is also available. The pipe is flat-packed for convenience and is easy to assemble.



World class service

With agents across the globe and cutting edge technology, JS will deliver the right humidification solution for you.



Service & maintenance

JS will support you in your humidification requirements from system design, evaluation, installation, commissioning, maintenance, spare parts, training and technical advice.

JS

JS Humidifiers plc
You can depend on us!

- Planned Maintenance
- Spares
- Breakdown response
- Technical
- Commissioning
- Training

Service Hotline: +44 (0)1903 858649
Spares Hotline: +44 (0)1903 858610
Service Fax: +44 (0)1903 850685

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JS has a policy of continually improving products and performance. Actual specifications might vary from those shown.

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