VAPAC HUMIDIFIERS
- Technical Information –

>VAPAC OPERATING SYSTEM 6 (VOS-6)
The new patented Vapac Operating System (Vos-6) which controls all Vapac Humidifiers, automatically adapts their operation to changing water conditions within the cylinder. The VOS-6 Software delivers unrivalled Humidifier reliability and performance with optimum cylinder life.

Pumped Drainage:
All Vapac humidifiers incorporate pumped drainage to minimise interruptions of steam generation and ensure continuity of steam production. The pump also has the benefit of preventing hot water leaking continuously to drain which can happen with a simple solenoid valve.
All Vapacs include a built-in fill-cup that provides a 25mm air-gap in the water feed-line to prevent back- feeding or contamination of the feed water supply. The fill-cup includes a safety overflow circuit.

Low Voltage Control Circuit:
The Microvap internal control circuit is operated at 24vac.

External Proportional Control Signal:
The Microvap unit is able to respond to the following control signals.

Potentiometric 135ohms to 1OK					
0-5v DC	**2-10v DC**	**0-10v DC**	**1-18v DC**	**0-20v DC**	**4-20mA DC**

Multiple Systems - the Powerful Option:
As many as seven cylinders may be linked together to provide up to 420 kilograms of steam per hour. Where a variable output is required, only the master cylinder is fitted with Varivap variable controls. Cylinders are brought into operation incrementally to match the demand for humidification ensuring optimum energy efficiency at all times.

Vapac Sensing Head:
The Vapac Sensing head accesses the proportional and integral controller installed within the VOS-6. Relative humidity is controlled within a range of 30% to 90% (RH) at + 3% accuracy. Alternatively it can be configured to control temperature up to 60°C for steam room applications.

Microvap humidifiers are fitted with an optional alphanumeric display and keypad for configuration and diagnostic information. While Microvap is working normally, system status can be displayed at the touch of a button. Service help messages automatically appear when maintenance, such as cylinder replacement is required. The Keypad allows access to the program so that system operating parameters can be adjusted to match site requirements.

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