

Energy Saving Medivar System



Human error is a main factor in the lack of control with theatre equipment, i.e. the switching on and off of the AGS equipment, with the **MEDIVAR** you would be **eliminating the possibility of someone forgetting** to switch of the AGS pumps

Noise from plant rooms, Our MEDIVAR pumps run quieter as they are **not running at 50 Hz**, they would run at which ever speed is required for the flow required, the **power to demand ratio**

The MEDIVAR controller uses transducers fitted to the pipework system **keeping the system running at the set point** example 180 mbar, the unit would **speed up and slow down as required depending on demand from the users**. Ready for use 24/7 but not using power.

The MEDIVAR is **protected with a manual safety valve** which would alert the engineers via the BMS system and would restrict the vacuum to the 200 mbar setting **so**

protecting the patient. The **fixed speed vacuum pump does not have this safety feature built in** as it only relies on a single manual valve which through time does wear and jam.

The **cost of spare pumps is major** due to the different sizes and types throughout a Hospital, using the **MEDIVAR system we have designed the systems around two pump sizes** so **reducing the need to stock three or four different size pumps and so reducing emergency stock costs and space.**

Of course one of the main advantages is the energy savings, save up to 75% of your energy costs with the MEDIVAR system giving you a pay back of around 6/24 months.



Hospitals where we have installed the Ritmac MEDIVAR system

The Western Infirmary Glasgow and the Glasgow Dental Hospital .

- Quiet Operation
- On Demand Usage
- Manual Safety Valve
- Energy Saving
- Easy Maintenance



MEDIVAR

AGSS Variable Speed Compressor System



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...piecing together energy solutions...

