kVArCORRECT

POWER FACTOR SPECIALISTS

## MYTH 1: The capacitors will catch on fire!

DEBUNKED!!

Since 2010, MPP dry capacitors are UL rated and will not burn.

## MYTH 2: MPP capacitors are unreliable

FALSE!!

kVArCorrect only uses quality capacitors. The EcoVAr range uses ELCO MPP caps, rated at >150,000 hours, and the SmartVAr range uses premium KBR MPP caps, rated at >250,000 hours. Active systems use capacitors with a maximum life of 100,000 hours – which are more easily affected by heat. Further to this, SVGs use electrolytic capacitors to reduce size and cost, and these are filled with corrosive liquids that can produce corrosive gases throughout operation. The capacitance values in conventional capacitor based systems are much lower than in active systems, meaning there is an even lower risk to the capacitors.

## MYTH 3: The system produces SO much heat

NO!!

This is simply incorrect. Active electronic systems produce more heat per kVAr delivered than conventional capacitor based systems, and it is produced in a smaller space that is much more difficult to deal with. kVArCorrect pays special attention to the thermal design of their systems to ensure optimal cooling is achieved – and we believe we have the best design in the business. If you can't cool a conventional system, you sure can't cool an active one!

## MYTH 4: The system is physically HUGE

UNTRUE!!

While an active system may be shorter and narrower than a conventional capacitor based system, they are usually deeper. Many of them are 800mm deep – and there aren't many switchrooms that can accommodate such a deep cabinet. kVArCorrect have even launched a Compact model, which comes standard at 1.6m high by 600mm wide and 500mm deep. The Optimum model is only 2.1m high by 800mm wide and 600mm deep, with a maximum of 470kVAr – and, using kVArCorrect's superior thermal design, will sufficiently keep it cool!

For Enquiries, please contact your local sales office:
sales@kVArCorrect.com Phone: 07 347 0646

## MYTH 5: The system won't handle leading power factor

WRONG!!

Wrong – we have a way of achieving this very economically. Ask us!

## MYTH 6: The system is slow and inaccurate

LIE!!

This may be true for some systems, but it definitely is false when regarding kVArCorrect systems. For many years, we have used Rapid Capacitor based technology, allowing target power factors of 0.99. We are constantly researching, and new developments are coming on board all the time.

## MYTH 7: Hybrid systems are cheap imitations

INCORRECT!!

kVArCorrect was one of the first to develop a Hybrid system; and it is truly a level of technology and reliability above active electronic systems. The Hybrid model takes the best of both worlds – and then some; kVArCorrect can offer 100% redundancy of the SVG component. Recently, Hybrid systems have been released by devout SVG manufacturers – claiming them to be the perfect combination in cost-effective reactive power compensation. We agree!

## MYTH 8: Maintenance is expensive

NOT TRUE!!

Maintenance is simpler, and components have a longer lifespan – so if your maintenance is more expensive, you may need to review your suppliers. MPP capacitors, contactors, and reactors all have shelf life's of decades – the parts are readily available, affordable, and easily stocked. This goes for kVArCorrect modular trays as well. Repairs and maintenance to kVArCorrect capacitor based systems can be carried out by any registered electrician. Active systems are usually "return-to-base" when there is a problem – meaning the entire system is out of action for days or even weeks while it is repaired or replaced. In addition, most manufacturers state that spare parts older than 1 year can not be used without first "reforming" the capacitors – a process of progressively applying voltage.