

SmartVAr Mini – Power Factor Correction by kVArCorrect



Why Automatic Power Factor Systems?

- Cost effective
- Reliable
- Reduces peak demand
- Easily maintained

Why kVArCorrect?

- Power factor specialists
- Highest quality German capacitors (KBR)
- Top selling Austrian contactors
- Type tested German cabinets (Rittal)
- Superior design:
 - Front access to capacitors meaning full online diagnosis, as well as replacement of capacitors
 - Temperature controlled fan & over-temperature cabinet shutdown module, able to be connected to both audible and visible external alarms
 - Easily wall mounted
- Ongoing protection against penalties or peak demand charges in the event of a breakdown – any electrical technician can replace contactors, capacitors, fans, and entire modules
- Designed to NZAS standards, manufactured in Australasia, fully customisable kVArCorrect controller – built for simplicity of use, reliability, and value. Options include communication interfaces such as GSM text capability
- Easy maintenance program that can be done by any electrical technician
- Excellent value for money
- Exceptional customer service, after sales support, and service resources
- 2 year warranty



For over 40 years, more than 110 employees have been developing, manufacturing and servicing customer-driven solutions in the energy management field. As a medium-sized company, KBR creates innovative products and system solutions in close cooperation with their customers. KBR capacitors are rated at 5°C above the IEC standard and with a lifetime of >250,000 hours when operated within their temperature rating.

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Warranty & Maintenance Details

- 2 years warranty provided regular maintenance is done and recorded
- Cabinet filters need checking at a frequency dependent on the environment, typically 3-6 monthly
- Capacitor current draw should be checked 6-12 monthly
- Connections should be checked at each inspection
- The easiest way to ensure the product remains under warranty is to contract kVArCorrect's Service Team to take care of everything



Did you know?

kVArCorrect can trace its experience and knowledge of manufacturing both power factor capacitors and power factor control systems back to 1978 when local Rotorua Businessman, David Dawson, started Metalect Industries. The business was sold to Australian Company Ampcontrol in 2007 and operated for 8 years before closure in 2015. kVArCorrect started trading in the same market sector in April 2016 with the senior experienced people of the earlier companies.

Technical Information

- Systems range from 15kVAr up to 90kVAr
- Best suited to sites where harmonic blocking reactors are not required
- Smallest cabinet size is 500mm wide, 250mm deep, 700mm high
- Largest cabinet size is 760mm wide, 300mm deep, 760mm high
- Each step is individually tested and signed off as compliant with the design and the relevant standards
- Alternate step sizes available, designed for control of the small loads common in factory downtimes

Keen to learn more? Get in touch with us!

NEW ZEALAND

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