



Varcap and Varmatic

'HV'



Varcap HV

A comprehensive range of low loss, environmentally friendly power capacitors, voltage range 660V - 33KV.

The capacitors can be supplied as loose units or finished assemblies.

The individual capacitors can be utilised to replace existing capacitors. The complete assemblies can be supplied as fixed or automatic banks which incorporate Vacuum/SF6 contactors.

A design service is available for individual customer requirements / harmonic filter banks.

The Varmatic 'HV' assembly offers the latest technology in the supply of automatic capacitive reactive power combining very high quality components with state of the art engineering expertise.

All film dielectric, no PCB presence.

Losses less than 0.2W/KVAr.

Ratings 25KVAr - 400KVAr, single and 3 phase.

Stainless steel welded container.

Porcelain bushings.

Varmatic HV

Designed to specific site requirement.

Individual automatic stage sizes 50KVAr - 1000KVAr.

Assemblies in free standing sheet steel enclosure complete with all control power supplies, HRC fuse protection, etc.

Harmonic Filters

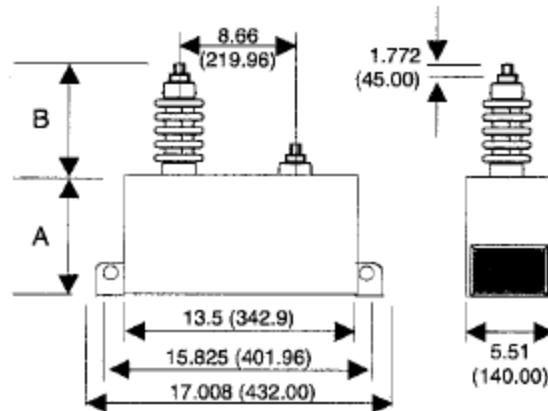
Designed to specific site requirement.

Reactors can be iron/air cored or oil immersed.

On site commissioning.



Reference	Rated Voltage	No. of Poles	μ per Pole	A (mm)	B (mm)	Weight (kgs)
2GUS031801A3	13,800	1	0.250	184	240	15



STANDARDS

Capacitors - IEC 871 BS1650.

VOLTAGE

660V, 1100V, 2400V, 3300V, 6000V, 6600V, 11000V, 15000V, 20000V, 33000V.

TEMPERATURE

-40°C to +50°C

variances to above for Varmatic assemblies

ASSOCIATED HV SWITCHGEAR

It is usual to supply the Varmatic range from an oil/SF6 fused switch or circuit breaker, off the existing HV network. We can check the suitability of existing switchgear, modify, overhaul and test.

OPTIONS

- Remote indication of status of capacitor bank.
- Ammeter/voltmeter, etc.
- Indicator lamps to show stage energised.
- Out of balance protection.
- Design and commission service for ancillaries, e.g. supply circuit breaker, protection relays, etc.

SAFETY FEATURES

Varcap HV

- Internal fuse
- Stainless steel welded case
- Discharge resistors.

Varmatic HV

- External HRC fuses
- Individual stage capacitor rated Vacuum/SF6 contactor
- Isolated low voltage control cubicle
 - Inrush reactors
 - Filter reactors (where fitted)
- Welded steel enclosure with lockable access
 - Microprocessor matching capacitance requirements to load conditions
- Inbuilt timers to allow correct discharge cycle
 - Control voltage transformer inbuilt
 - Copper busbars.

NATIONWIDE SERVICE

Detailed recommendations after 'on site' surveys.

After sales back-up and service.
PCB collection and legal disposal.

