



MEDIUM VOLTAGE CAPACITOR

Harmonic Filters

Power Factor Correction

Reactive Power Compensation



ENERGE



Energy Capacitors established in the year 1982, is an ISO – 9001 certified company manufacturing Power factor correction capacitors upto 220 KV. Energy provides superior capacitor technology for reactive power compensation with its own research & development. Energy also offers power factor improvement and harmonic mitigation solution to customers with all associated equipment and services of erection and commissioning on turnkey basis. Industries we cater to, but not limited to, steel, cement, chemical, refinery, railways, automobile, mining, wind & solar etc.

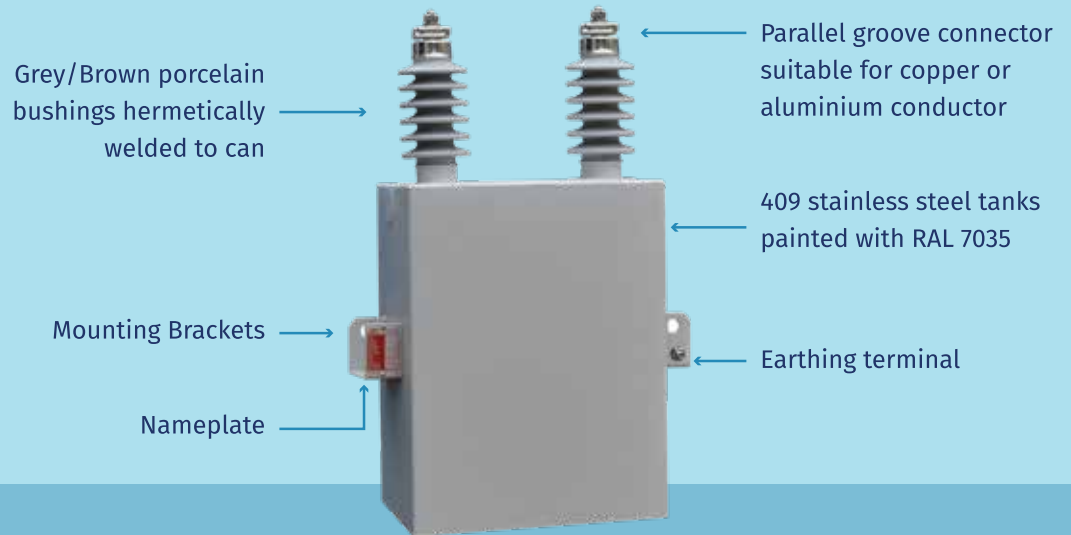
POWER QUALITY & ENERGY EFFICIENCY

High Voltage (HV) reactive power compensation and harmonic filtering solutions help customers to improve the performance of installations through energy savings and better power quality, enabling end users to save money and reduce the environmental impact of their operations.

PRODUCTS

- Single phase capacitor unit
- Three phase capacitor unit
- Capacitor unit with pressure switch
- Capacitors with tuned & detuned harmonic filters
- MV Fixed and APFC Metal enclosed capacitor panel
- HV/MV open rack capacitor bank
- ALL PP LV Capacitor

CAPACITOR UNIT CONSTRUCTION



TECHNICAL DATA

CAPACITOR TYPES

Internally fused, Externally fused and Fuseless design

STANDARDS

IEC 60871 Shunt capacitors for AC power systems having a rated Voltage above 1000 V
IS 13925

MANAGEMENT SYSTEMS

ISO 9001:2015 Quality Management System
ISO 14001:2015 Environmental Management System
ISO 45001:2018 Occupational health and safety management system

TECHNICAL DATA

Power Max 1000/1200 KVAR (50/60Hz)
Voltage Internally fused upto 13.8KV | Externally fused/fuseless upto 24KV
Current Max 180A
Dielectric Bopp Polypropylene Film
Conductor Aluminium Foil
Impregnant Bio degradable oil (Non PCB)
Discharge resistor Built-in (75V/10 min)
Losses Internally fused : < 0.2 W/KVAR | Externally fused/fuseless : < 0.1 W/KVAR

OPERATING CONDITIONS

Temp. Range -40° / +55° C
Location Indoor / Outdoor

CAPACITOR CONTAINER

Material Stainless steel 409 / CRCA
Surface treatment Two layers of two component paint
Color Light grey RAL 7035
Fixing brackets One or Two per side

TERMINATIONS

Bushing Porcelain, Standard Brown or Grey color
BIL 75KV, 95KV, 125KV, 170KV
Terminals M12 or M16 stud
Clamps Tinned Bronze max 2 x 50 mm2

BENEFITS

Output and voltage rating shall be matched as per customer requirements

Internal fuse and external fuse technologies for high operating reliabilities

Flexible design with specially designed rack



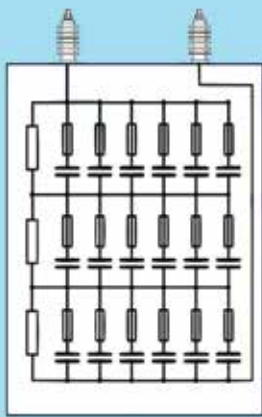
1 Single phase capacitor unit

2 Three phase capacitor unit

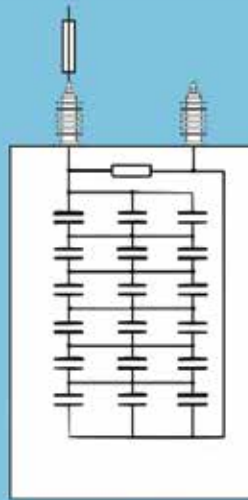
3 Capacitor unit with pressure switch

4 Single Bushing Capacitor Unit

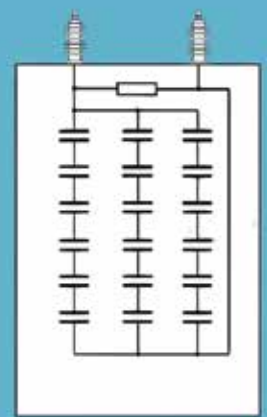
FUSE TECHNOLOGY



INTERNALLY FUSED



EXTERNALLY FUSED



FUSELESS DESIGN

Save Power, Energize Future

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