

# Alpican™

## gas filed heavy duty capacitors

### ■ Technical specifications

- Standards : IS 13340-1993, IS 13341-1992, IEC 60831-1/-2, IEC-60831-1&2
- Rated Voltage : 440 V
- Frequency : 50/60 Hz
- Power range : 5 to 25 kVAr
- Losses(Dielectrical) : < 0.20 W/kVAr
- Losses (Total) : < 0.5 W/kVAr
- Peak inrush current :  $300 \cdot I_n$
- Over voltage :  $U_N + 10\%$  for 8 Hrs in 24 Hrs
- Over current :  $1.4 \cdot I_n$
- Mean life expectancy : upto 1,80,000 h at temp level C
- Capacitance tolerance : -5/10 %
- Voltage test between terminals :  $1.75 \cdot U_N$ , AC, 2S as per IS
- Voltage test between earth & terminals : 3.6 KV, AC, 2S as per IS
- Discharge resistors : Fitted: standard discharge time less than at residual voltage of 50 V, 60 second as per IS
- Safety : Self healing + pressure sensitive disconnecter + discharge device
- Protection : IP20
- Casing : Aluminium Can
- Dielectric : Metallized Polypropylene film
- Impregnation : Inert gas impregnated
- Ambient temperature : - 40 °C / + 55 °C (Class D)
- Humidity : 95 %
- Altitude : 4000 m above sea level
- Mounting : Indoor, vertical position
- Fixing and earthing : Threaded M12 stud at bottom
- Switching life : Maximum 7000 per year