

CAPACITORS FOR INDUCTION EQUIPMENT WATER COOLED INDC



Medium & high frequency water-cooled / air-cooled capacitors are specially designed for use in inductive heating & melting plants for power factor improvement as also for tuning of the circuits for varying inductive loads. These capacitors are manufactured against order to meet the specific and exacting requirements of each customer. For the given application, the performance of these capacitors, demand extreme levels of Reliability, Safety and Life expectancy.

We supply Capacitors required as replacements in induction furnaces, with every effort to closely match dimensions of the failed units. Please contact us with a sketch of the failed capacitor, showing critical parameters such as terminal arrangements and case dimensions.

TECHNICAL CHARACTERISTICS

Standards:	IEC 60110
Origin:	100% made in Italy
Voltage:	up to 4000 Vac
Power output:	up to 8400 kVar
Frequency:	from 50 to 20000 Hz
Rated current:	not exceeding 4000 A
Dielectric:	electrical grade hazy BOPP film
Electrode:	aluminum foil
Filling material:	non-PCB, biodegradable, non-toxic electrical grade insulating oil
Phase:	single phase
Terminals:	all terminals water cooled or 2 water cooled terminals + taps
Temperature category:	up to 50 °C
Overload limits:	1,05 x Un for maximum 12 hours / day, 1,15 x In
Terminal insulators:	electrical grade molded bakelite
Terminations:	extruded brass, with non-magnetic connection hardware
Cooling:	water cooled by de-mineralized water minimum 5 L/min
Cooling tubes:	electrolytic grade copper tube
Mounting: up wards	horizontal with terminals side wards or vertical with terminals up wards
Casing:	aluminium or brass
Case design:	isolated (dead) or live case
Protection:	thermal and over pressure cut-off (optional)
Voltage test between terminals:	2 x Un AC for 10 s. or 4 x Un DC for 10 s.
Voltage test between terminals and casing:	2,15 x Un AC for 10 s., minimum voltage 2 kV

CAPACITORS CONFIGURATION.

