







Capacitor banks, STID max range



- The quality at the best price
- More than 300 units for immediate delivery

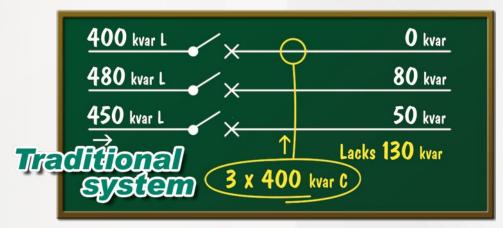
"plus" is more a wide range of new features

Intelligent capacitor banks

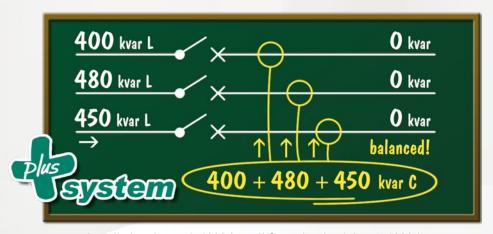
Series **plus** capacitor banks are a new concept in Power Factor Correction:

- ✓ They measure on the three phases and accurately compensate the total reactive energy
- They compensate ractive energy using individual phase control in real time and in addition to correcting the total reactive to zero; they also achieve a balance of active power between phases
- ✓ Plug and Play, start up at the touch of a key.





Installation demand: 1330 kvar // Capacitor bank input: 1200 kvar



Installation demand: 1330 kvar // Capacitor bank input: 1330 kvar

plus

Series plus capacitor banks are the safest on the market:



4 levels of protection on their capacitors, which ensure continuous service



Harmonic protection, with anti-resonance system



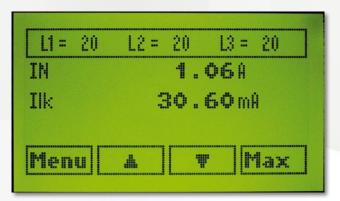
Individual step leakage current protection



Overheating protection

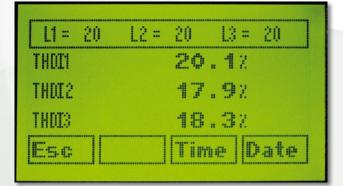


Individual step fuse protection



4

Measures individual step leakage current in real time. Only damaged capacitors are disconnected.





Supervision &

Series **plus** system carries out a complete check on the status of the network and a self-check on the status of the capacitor bank, managing, among other things, the lack of compensation, loss of capacity, leakage, etc.



IC2	94	. 88	A	
IC3	94	.74	Ĥ	

Steps	1 60.00kvar				
kvaro					
Menu		7/		1ax	

Capacitor bank current

Connected power

The TEST function enables preventive maintenance of each capacitor step as well as the display of their capacitance. Totally configurable alarms permit the supervision and management of all the electrical parameters of the installation.







Alarms: temperature, harmonics, overvoltage, undervoltage, leaks, etc.

Communications



Series **plus** capacitor banks are fitted with RS-485 communication to display a large amount of information available.



- The communication system enables the remote control, supervision and preventive maintenance both of the capacitor bank and the network
- ▲ RS-485 communications (Modbus protocol)
- \blacktriangle SCADA software allows the display on a PC of several parameters and alarms (cos φ , leakage levels, general status of the capacitor bank, etc.) of the electric parameters of the network.

Measurement

Series **plus** capacitor banks include a three-phase network analyzer, enabling instantaneous display of all the network electrical parameters (voltage, current, active power, reactive power, energies, harmonics, etc.).



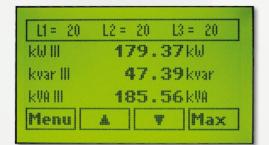
		1			
cos	Ø	ana	PF	measurement	

L1 = 20	L2 = 20	L3	= 20
IL1	267	.50	Ĥ
IL2	267	.80	A
IL3	267	. 25	A
Menu	4	Ŧ	Max

Phase current



Voltage measurement



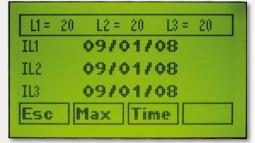
Power measurement



Harmonic measurement



Registered I_{max.}



Date of register



Time of register

Now standard range is Max

STD capacitor banks new range with max power factor correction system

New features of computer max

The new range of STD capacitor bank with max compensation system retains de combination of high technology and robust offering maximum performance at the best price.

Installation and programming feature selection phase, eliminating the difficulty of installing the transformer in a specific phase.

Phase selection function



Network analyzer

computer max shows by display: cos φ, voltage, current, THD(I) and, besides, records in memory maximum values for voltage and current.



Voltage measurement



Current measurement



Current maximum value



THDI measurement



Voltage maximum value



Built-in alarms displays:

- Compensation failure
- Over-compensation
- Over-current
- C.T. not connected or open
- Line current below measurable value



computer max allows viewing in display the variation of cos j, line current and THD(I), when manually connecting or disconnecting capacitor steps.

FCP system characteristic from CIRCUTOR.

A stock of more than 300 capacitor banks at your full disposal

Avoid reactive energy penalties immediately

 $\mbox{\bf CIRCUTOR}$ has a stock of more than 300 capacitor banks available for immediate delivery.



More than 300 units for immediate delivery



The most extensive and competitive range on the market



Optimized, robust and easy to install



User-friendly and intuitive programming systems



Custom adaptability





The quality at the best price





Vial Sant Jordi, s/n 08232 Viladecavalls (Barcelona) Spain - Tel.: (+34) 93 745 29 00 - Fax: (+34) 93 745 29 14 central@circutor.es - http://eficienciaenergetica.circutor.es

Cód.: C2R013-03

CIRCUTOR, SA reserves the right to change the content of this catalog, whitout prior warning.

www.circutor.com