



# ARC

Continuous regulation self-transformers

## ARC: Leaders in continuous regulation of alternating voltage

Salicru offers the **ARC** as a cheaper, safe, stronger means of having regulable alternating voltage with high precision, continuously and without interruptions.

Based on **ARC** (Continuous Regulation Self-transformer) blocks, toroidal or in columns, they may be supplied by single phase or three-phase, and be powers, for control from distance by means of an inertia-free servomotor with double direction turning and instant braking. They may also be made in a frame surround or be portable, and have measuring instruments such as voltmeters and/or ammeters.



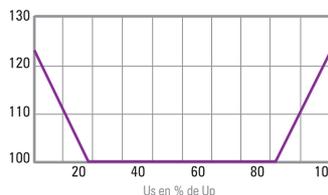
## Performances

- Broad margin input and output voltages, single phase and three-phase.
- Possible single or double regulation in the three-phase systems.
- Linear output voltage, with capacity to take values such as the number of coils in the core of the self-transformers.
- Manual or powered regulation.

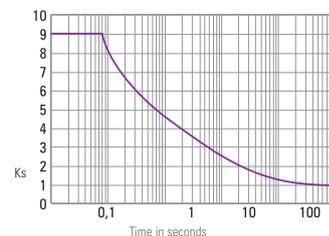
## Applications : Precision regulation in industrial processes

It is in the industrial processes where the most of the **ARC** applications are found. From lighting technique applications, galvanotechnics, galvanoplastia, electrolysis, temperature regulation in electric ovens, speed regulation, electrical tests and controls and voltage regulation, to forming part of practice benches in schools and polytechnic universities; all require precision variation of the output alternating voltage offered by the **ARC**

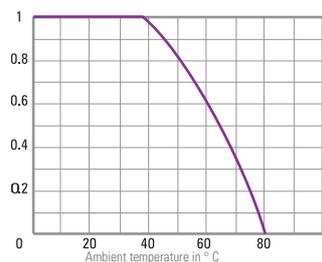
## TECHNICAL SPECIFICATIONS



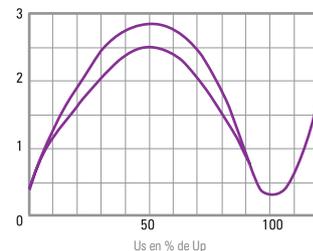
Maximum current  $I_{max}$  that can be supplied for the nominal mains voltage.



Admissible momentary overloads  $K_s$  depending on their duration.



If they exceed 40°C, the nominal current  $I_n$  will be affected by the coefficient  $K_t$ .



Voltage drops in secondary  $U_s$  depending on the supply voltage  $U_p$ .

## RANGE

MODEL	TYPE	REGULATION	CONNECTION	Vin (V)	Vout (V)	POWER (kVA)
ARC	Toroidal	Simple	-	230	0 ÷ 250	2.5 ÷ 22
3ARC	Toroidal	Simple	Star	3 x 400 + N	3 x 0 ÷ 440 + N	7.5 ÷ 16.5
C3ARC	Column	Simple	Star	3 x 400 + N	3 x 0 ÷ 400 + N	25 ÷ 160
C3ARC	Column	Double	Delta	3 x 230	3 x (230 ÷ 0 ÷ 230)	2 x 25 ÷ 2 x 160
C3ARC	Column	Double	Delta	3 x 400	3 x (400 ÷ 0 ÷ 400)	2 x 45 ÷ 2 x 280

Data liable to changes without previous notice

