

## FAP

Passive harmonic filter: designed to attenuate on railways powering systems

### Description



Zigor Corporación has designed the FAP, passive harmonic filter, to protect the power supply of buildings along Railways Track, which gets their mains from the catenary. The FAP are able to attenuate the high level of harmonic perturbations produced by the trains, in order to assure a clean and harmonic free mains for any auxiliary system.



FAP

### Features

- > Nominal power: 6, 20, 25, 50, 75, 100, 150, 200 & 250 KVA
- > Operating temperature 0°C+45°C
- > Relative humidity between 5% and 85%
- > Operating altitude 2.500 mts
- > Wide input voltage range
- > Forced air-cooling
- > Overload capacity
- > Improves quality of power supply
- > Wide voltage range
- > High stability
- > High overload capacity
- > High mechanical strength

telecommunications

railway

industrial

logistics centres

production processes

robots



**GENERAL SPECIFICATIONS**

Model	FAP 6	FAP 20	FAP 25	FAP 50	FAP 75	FAP 100	FAP 150	FAP 200	FAP 250
Voltage KVA	6	20	25	50	75	100	150	200	250
Type	Single-phase								
Overload capability	50% 60 sec.								
Frequency	45/65 Hz								
Efficiency	98%								
Nominal input voltage *	230V + 15% - 35%								
Input/output shift	< 9°								
Dimensions	Shetter 210x435x500 (vertical)	700x600x500	900x615x635		2145x614x625			2145x814x825	
	Shetter 265x435x400 (horiz.)								
Weight kg	33	120	150	300	400	600	850	960	

**STANDARDS**

Certifications	CE								
Directives	(73/23/CEE-93/68/CEE) - UNE-EN50178 (98) 2004/1081CEE - EN50091-2								

\* The contactor withstands 230V -35% in the opening operation and 230V -20% in the closing. The FAP equipment can occasionally withstand voltages of 230V - 30% at full load, but not continuously.

Specifications may be changed without notice

> **FAP diagram**

