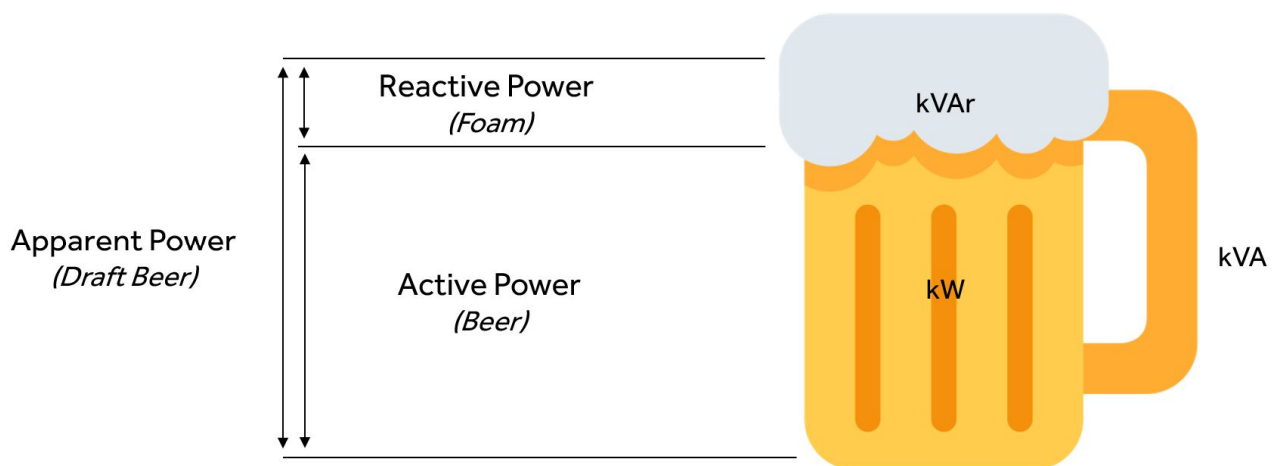


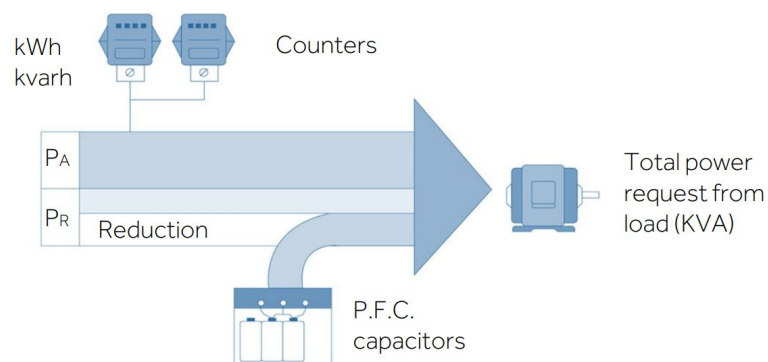
# Why Power Factor Correction?

## PFC explained in the time of a drink ...

When you order a beer, the last thing you want is more foam than beer. The same thing can be said about power: **foam on beer equals wasted power**. In the face of an ever-increasing need for electricity, it is more necessary than ever to reduce waste, through the rational use of the energy produced.



**Power Factor Correction** is the technique aimed at improving the **Power Factor ( $\cos\phi$ )** of electrical machines in the presence of inductive loads, which therefore require an electromagnetic field in order to function..



The higher the power factor, the more effective the use of electrical equipment, e.g.. a FP of 0.7 means that 70 percent of the energy supplied to the equipment is used effectively and 30 percent is wasted. **This waste is an unnecessary cost!**

Power factor correction is the first energy efficiency intervention to be taken into consideration, as it pays for itself on average in just 15/18 months! In addition, the **benefits** associated with power factor correction are many and involve different aspects of the company. Let's check them out:



*Now my company is truly sustainable: the energy savings achieved have allowed us to **reduce CO2 emissions** into the atmosphere by 160 tons per year*

*I saved the company over € 1,000 per month thanks to the **absence of penalties in the bill** for reactive energy withdrawals, with a very fast payback time*



*By decreasing the value of the average current in the electrical system of the plant, we have **reduced voltage drops and energy losses**, limiting machine downtime due to electrical causes by 80%*

Contact us for a free consultation by writing to [export@comarcond.com](mailto:export@comarcond.com) or at **+39 051 733383!**

**Have a good Power Factor Correction!**  
(as well as a good beer!)

