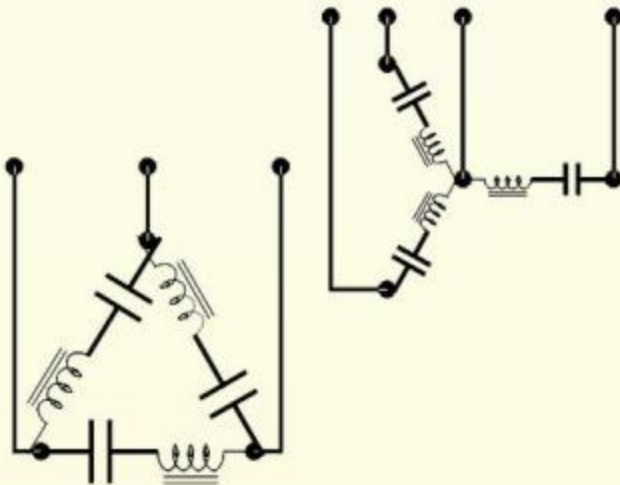
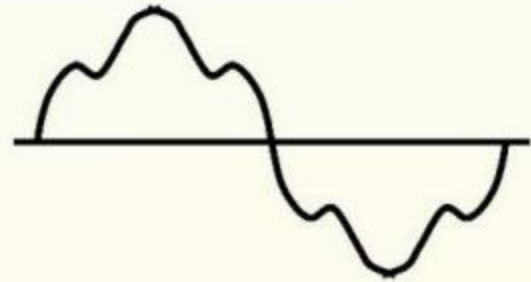




Tuned Filtering Systems (TFS)



Totally Custom built.
Simple to maintain.
Rugged Design.
Protection against Resonance & Overload.
0.5 Class Load manager function.



TAS PowerTek - Leading through Technology!

Features:

- Totally Custom built design.
- Selective Filtering of specific harmonics. Specific design to suit triplen (zero sequence) harmonics.
- Filter Value calculated with resonance point avoidance.
- No Moving parts. Rugged design without any Power Electronic component.
- Easy to Maintain. Simple design features.
- Monitoring of Power Parameters by in built 0.5 Class Load manager type : LM - 03 from TAS Powertek.
- Completely air core design with Cu winding of filtering reactors. Giving linearity throughout the filtering current range.
- Capacitors type - APP - All Poly Propylene. Heavy duty type with no de rating or no self - healing (value deterioration) type.
- Protection against overload for every filter module. S/c capacity 25, 35, 50kA selectable based on requirements.
- Provide fixed reactive Power compensation for Power Factor improvement.
- Complies to IEEE 519
- Alarm and Event / Fault logging with date and time stamp for fault diagnosis.

Specifications:

Voltage : 415Vac - 3 - phase 50Hz.
(60Hz Optional)

Current per filter Module: Max upto 600Amp.

Temperature:

Working: 0°C to 50°C ambient

Storage: 10°C to 75°C ambient.

Measurement Accuracy:

Class 0.5 for kW and Class 2.0 for kVAr as per IEC - 62053 part 22,23.

Watt Loss:

≤ 1.5kW for 400Amp filter element 3 – ph.

≤ 0.8kW for 200Amp filter element 3 – ph.

≤ 0.5kW for 100Amp filter element 3 – ph.

Enclosure Class: IP-32 to IP-55 based on customer / system location needs.



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