VarSet™

Smart and simple low voltage capacitor banks

Looking for an easy and reliable solution to immediately boost your building's energy efficiency and productivity while reducing costs??

Many people believe that optimizing power distribution systems and achieving ideal power factor is complex and costly. Let Schneider Electric show you how superior power system efficiency can be simple, safe, and economical.

No matter your application and need, the VarSet power factor correction range offers a unique, simple and cost-effective system that will help reduce your utility bills, take minimal floor space in your electrical room and will provide a very quick return on investment. VarSet capacitor banks are suitable for new construction or retrofit applications in any commercial or small to medium industrial building.

Easy installation

- Compact enclosure up to 300 kVAR @ 480V; 250kVAR @ 600V
- Easily accessible gland plates for power cables entry and connections
- Mounting brackets for easy wall mounting

Ease-of-use and maintenance, reliability and safety

- Simple replacement or retrofit of VarplusCan capacitors
- Multicapacitor architecture and Schneider Electric components
- NEMA1 and IK10-rated Robust enclosure
- Tested and certified (CSA 22.2 No. 190, UL810)

> Floor-standing

> Wall-mounted

VarSet in a nutshell*

- Reduce reactive energy billing penalties and lower operating expenses **up to 10%**
- Reduce energy losses (I^2R) by **up to 30%**
- Improve power system and equipment reliability by **up to 18%**
- Reduce capital expenses by **up to 30%**
- Available with and without detuning reactors

* Performance reflects actual customer experience; your results may vary depending on your environment

Need a quote? Contact your local authorized Schneider Electric distributor.

Please provide your distributor the following information:

- Single Line Diagram (SLD) including transformer information
- 12-month (consecutive) utility bills
- Summary of loads (linear vs non-linear)

Schneider Electric™

Offer Range

600V*/60 Hz

*For 480V catalogue numbers, please contact your local Schneider Electric distributor

Low-Polluted Network

Standard		
Power	**Lugs**	**Incoming CB**
25	VLVAW2N76025AA	VLVAW2N76025AB
50	VLVAW2N76050AA	VLVAW2N76050AB
75	VLVAW2N76075AA	VLVAW2N76075AB
100	VLVAW2N76100AA	VLVAW2N76100AB
125	VLVAW3N76125AA	VLVAW3N76125AB
150	VLVAW3N76150AA	VLVAW3N76150AB
175	VLVAW3N76175AA	VLVAW3N76175AB
200	VLVAW3N76200AA	VLVAW3N76200AB
225	VLVAW3N76225AA	VLVAW3N76225AB
250	VLVAW3N76250AA	VLVAW3N76250AB

Polluted Network With Detuned Reactors

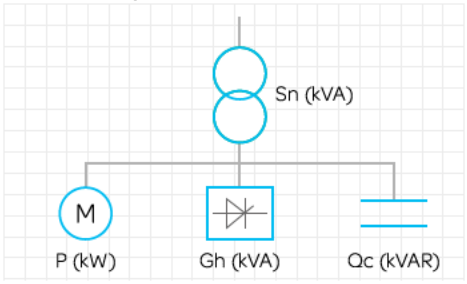
Automatic		
Power	**Lugs**	**Incoming CB**
75	VLVAF4P76075AA	VLVAF4P76075AB
100	VLVAF4P76100AA	VLVAF4P76100AB
125	VLVAF4P76125AA	VLVAF4P76125AB
150	VLVAF4P76150AA	VLVAF4P76150AB
175	VLVAF4P76175AA	VLVAF4P76175AB
200	VLVAF4P76200AA	VLVAF4P76200AB

Is VarSet right for you?

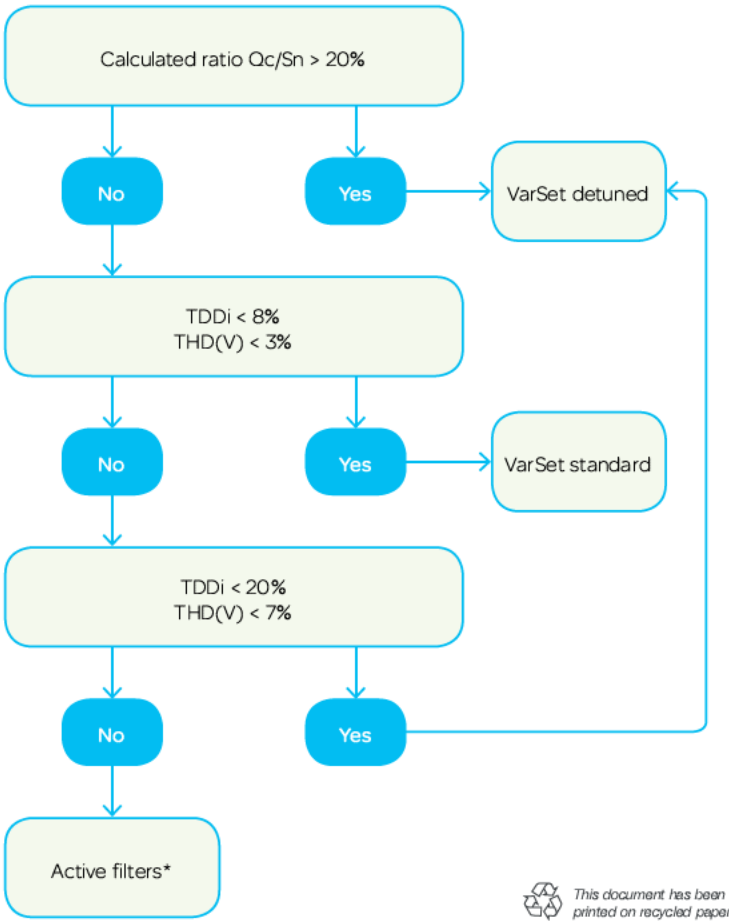
Different types of compensation must be chosen according to the power of the harmonic generators. Use this decision tree to choose between VarSet standard, VarSet detuned, or active filters:

What are these ratios?

- The Total Current Demand Distortion (TDDi) ratio is harmonic current distortion against the full load (demand) level.
- The percentage of Total Harmonic Voltage Distortion (THD(V)) is measured at the transformer secondary, at **maximum load and without capacitors**.



Sn: apparent power of the transformer.
Gh: apparent power of harmonics-generating receivers (variable speed motors, static converters, power electronics, etc.).
Qc: power of the compensation equipment.
V: network voltage.



* For active filters, please contact your local Schneider Electric distributor

Schneider Electric Canada, Inc.

5985 McLaughlin Road
Mississauga, ON L5R 1B8
Tel: 1-800-565-6699
www.schneider-electric.com

November 2014 SF