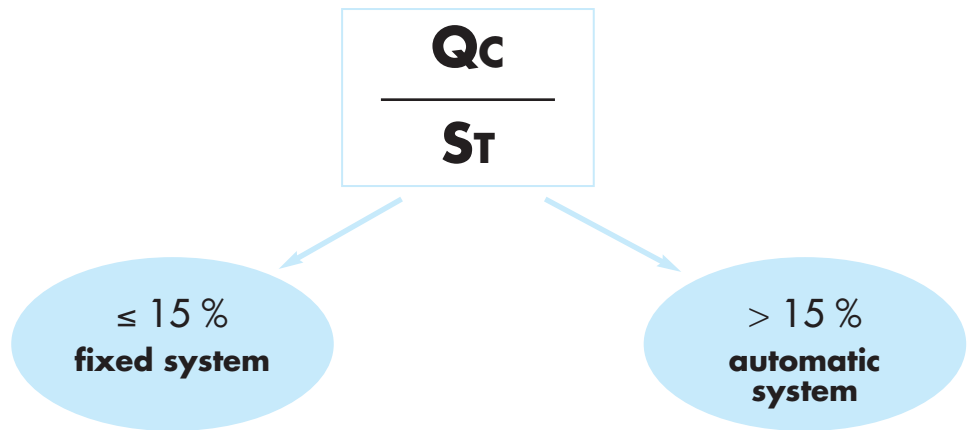


Selecting the reactive energy compensation system

Reactive energy compensation at low voltage can use one of two systems :

- **fixed system**
- **automatic system**

The choice depends on the following criterion:



ST (kVA) power rating of the H.V./L.V. transformer

QC (kvar) power rating of the capacitor bank

Example 1:

$$\begin{array}{l} \mathbf{QC} = 80 \text{ kvar} \\ \mathbf{ST} = 800 \text{ kVA} \end{array} \quad \frac{\mathbf{QC}}{\mathbf{ST}} = 10\% \rightarrow \text{fixed system}$$

Example 2:

$$\begin{array}{l} \mathbf{QC} = 160 \text{ kvar} \\ \mathbf{ST} = 800 \text{ kVA} \end{array} \quad \frac{\mathbf{QC}}{\mathbf{ST}} = 20\% \rightarrow \text{automatic system}$$

For more detailed information please consult our GENERAL INFORMATION brochure.