

Self Lubricating System for Air Cooled Capacitors

The letter "A" in a COMET capacitor nomenclature (as for instance in CVMA-650AA/55-AAB) indicates that the capacitor is air cooled. In the same way "C" indicates convection cooling and "W" indicates water cooling.

In air cooled capacitors, air is forced to pass along the inside of the bellows where it can be heated up considerably. The air then passes through the inside of the drive mechanism, thereby heating up all the parts of the drive mechanism including the lubricant itself. The air eventually exits through holes centered around the red cap. The hot and dry air causes the lubricant to dry out faster. This also increases the viscosity of the lubricant, thereby causing it to be rubbed off.

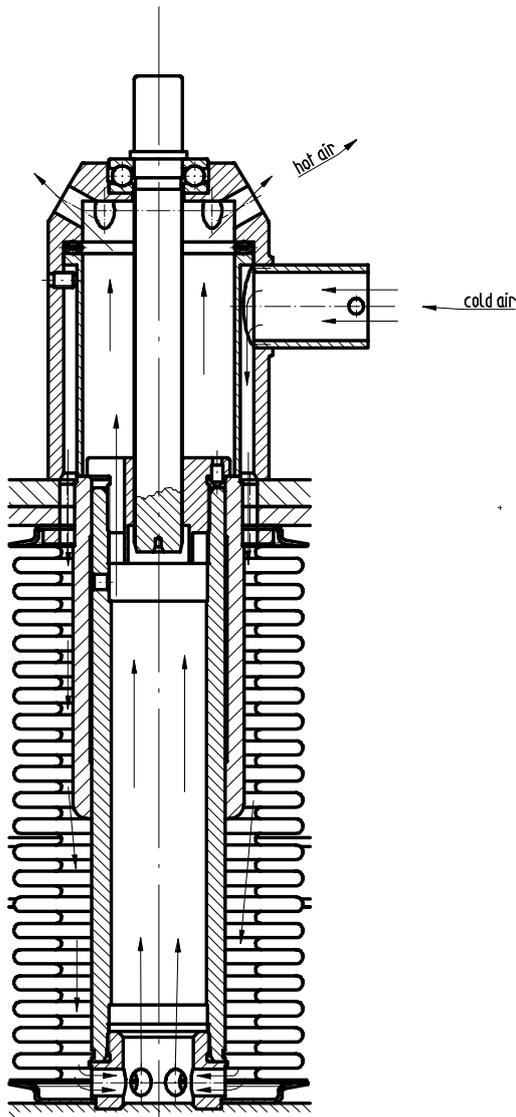
Years ago, COMET has developed the self lubricating system as shown in the enclosed sketch to prevent these disadvantages of air cooled capacitors. It consists of a grease reservoir with a piston that is actuated whenever the drive screw is turned, thereby pushing the lubricant between drive screw and drive nut.

The COMET self lubricating system may increase the life of an air cooled capacitor by a factor of two to five! There is no change in the outline or in the installation procedure. The presence of a self lubricating system in an air cooled capacitor is indicated by adding a "P" to the type designation, for instance:

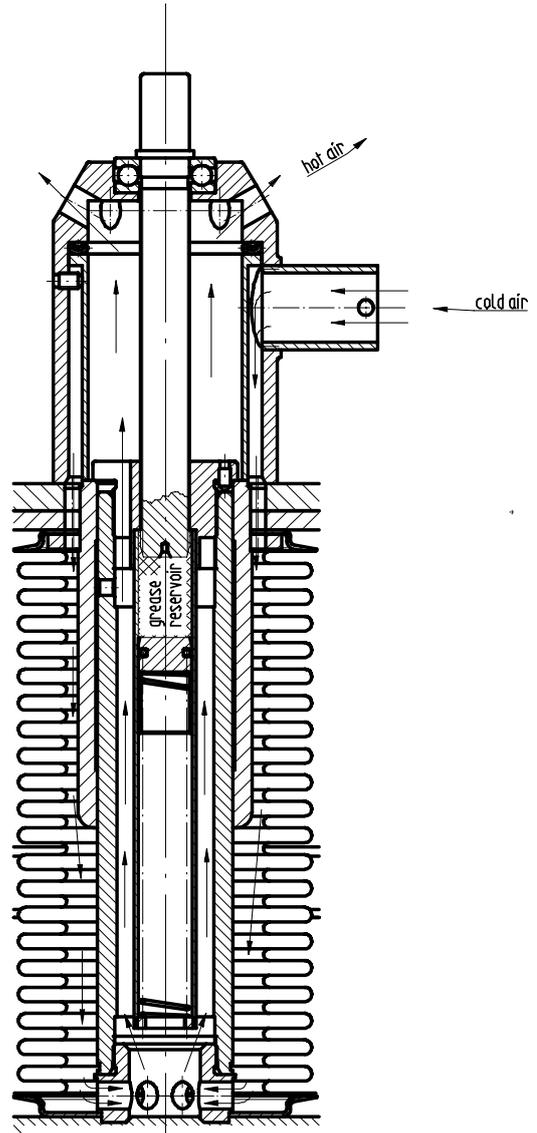
CVMA-650AA/55-ABB air cooled, standard

CVMA-650AA/55-ABB-**P**air cooled, self lubricated

Since the price difference between the two types is minor, we recommend to always using the self lubricated version whenever it is available.



Standard Lubrication



Self Lubrication