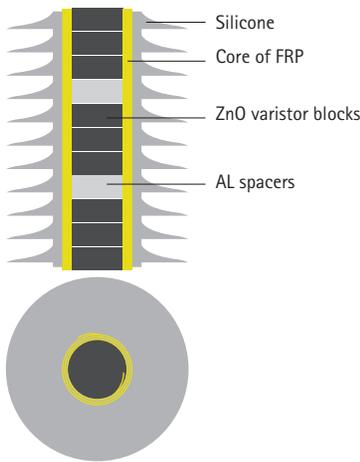


Solid Core design



Description:

MOV blocks are pre-arranged in „Solid Design Modules“, prefabricated modules of a fiberglass reinforced woven structure with silicone sheds ensure high flexibility regarding customer demands

Network Voltage U_m : up to 170 kV*

Weight: very low weight

Mechanical strength (SSL): 1,1 kNm

Key Parameters:

- short delivery time
- easy transport (also in horizontal position) reduced transportation costs
- easy and fast installation without special equipment

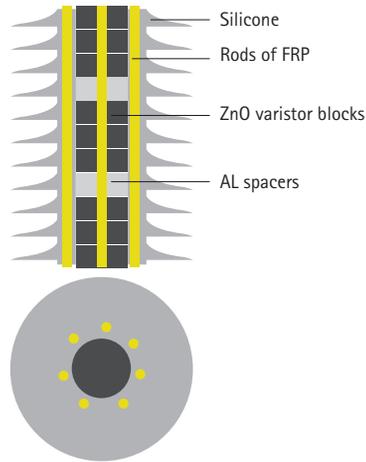
Applications:

for standard mechanical requirements
excellent for line arrester applications (NGLA and EGLA type)

Summary:

competitive arrester for applications with standard/basic mechanical requirements
for applications up to 170 kV networks

Cage design



Cage of FRP rods around MOV blocks, FRP rods fixed into the end terminals by a patented wedge clamping; silicone sheds directly molded onto MOV blocks/cage, no enclosed gas volume, no sealing/pressure relief device needed

up to 420 kV*

lower weight than tube design

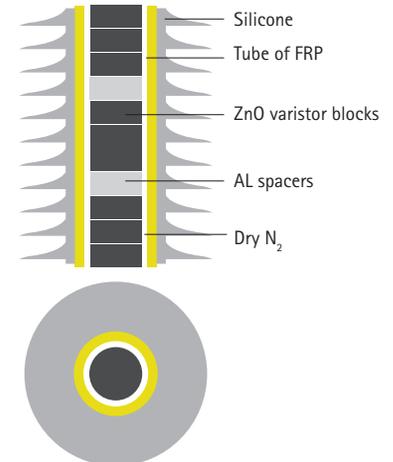
up to 4 kNm

- high safety margin regarding electrical and mechanical overloads
- no violent destruction after overload or short circuit events
- shorter than tube design
- easy transport (also in horizontal position) reduced transportation costs
- easy and fast installation without special equipment

for standard and advanced mechanical requirements
excellent for line arrester applications (NGLA and EGLA type)

arrester with best price/performance ratio for applications with advanced mechanical requirements
for applications up to 420 kV networks

Tube design



FRP tube with enclosed gas volume (hollow insulator), silicone sheds directly molded onto FRP tube

up to 550 kV

lower weight than comparable porcelain design

up to 23 kNm

- excellent pollution behaviour due to highly hydrophobic behaviour of silicone
- highest safety margin regarding electrical and mechanical overloads, no ejection of internal parts in case of short circuit
- even after short circuit/pressure relief remains 75% of mechanical stability
- delivery time similar to porcelain arresters
- easier transport than porcelain arresters (less risk of damage)
- installation similar to porcelain arresters but lower weight

for highest mechanical and safety requirements for arrester applications as support/post insulator for applications with seismic requirements

arrester for applications with highest requirements to mechanical strength and safety

* higher ratings available for transmission line applications