



Insulcap De-gassing (RV) is Heat Shrinkable End Caps, supplied with relief Valve (RV) & are used for sealing High Voltage & Extra High Voltage Cables (33 kV & above) to release the constantly evolving gas generated inside the Cable during transportation & storage in hot climatic conditions.

Features & Benefits :

- Provides additional security to Cables by relieving the pressure generated by Residual gases.
- Automatically releases gas when pressure rises above 1 psi.
- Eliminates possibility of accidental fire caused due to trapped Methane gas while removing the (normal / non relief valved) End caps.
- Possibly to reduce the timing of de-gassing (heating) chamber, thereby savings in energy & time.
- Relief (Non-returnable) valve shall not allow moisture, water, dirt etc. to enter the cable.
- Ensures gas / defect free cables, adds customer satisfaction.
- Each Relief valve is factory tested for gas release.

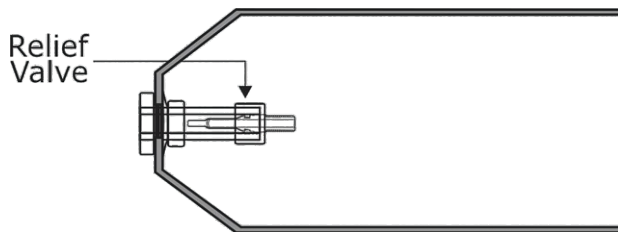
Selection Chart

All dimensions are in mm

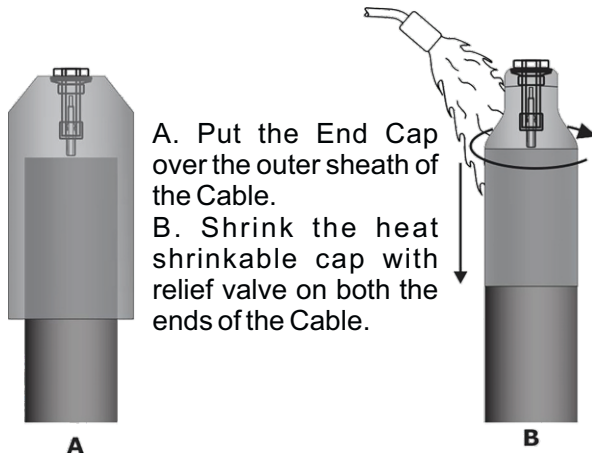
CODE NO.	(Ds (Min.))	Df (Max.)	Ls (Min.)	Tf (±10%)	CABLE RANGE
GEC 102 RV	30	11	75	2.5	12 - 26
GEC 201 RV	40	15	90	3.3	16 - 35
GEC 201 L RV	40	15	120	3.3	16 - 35
GEC 301 RV	55	25	125	3.8	25 - 47
GEC 301 L RV	55	25	170	3.8	25 - 47
GEC 401 RV	75	35	140	4.0	35 - 68
GEC 401 L RV	75	35	180	4.0	35 - 68
GEC 501 RV	100	45	160	4.0	45 - 90
GEC 501 L RV	100	45	200	4.0	45 - 90
GEC 601 RV	130	60	160	4.6	64 - 120
GEC 601 L RV	130	65	300	4.6	67 - 120
GEC 701 RV	154	60	165	4.6	72 - 145
GEC 701 L RV	154	65	300	4.6	70 - 145
GEC 801 RV	230	125	220	4.0	140 - 200

D : Internal Diameter | s : as supplied | f : after free recovery

Technical Qualification Report : QR 1023



Working of pressure relief valve:



Technical Specification

PROPERTIES	VALVE	STANDARD
Tensile Strength	12 N/mm ² (Mpa) (min.)	ASTM D638
Ultimate Elongation	350% (min.)	ASTM D638
Water Absorption	0.2% (max.)	ASTM D570
Accelerated Ageing	(120°C for 500 hrs.)	ASTM D2671
Tensile Strength	11 N/mm ² (Mpa) (min.)	ASTM D638
Ultimate Elongation	300% (min.)	ASTM D638
Heat Shock (250°C for 30 min.)	No cracking or flowing	ESI 09-11
Continuous Temperature Limit	-40°C to +100°C	IEC 216
Dielectric Strength	12 kv/mm. (min.)	ASTM D149
Volume Resistivity	1 x 10 ¹⁴ Ohm.cm (min.)	ASTM D257
Dielectric Constant	5 (max.)	ASTM D150

