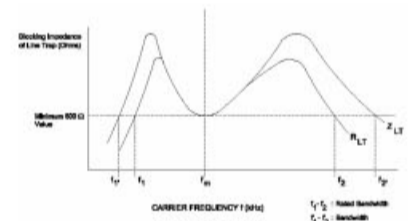
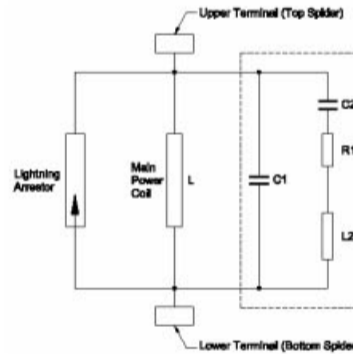
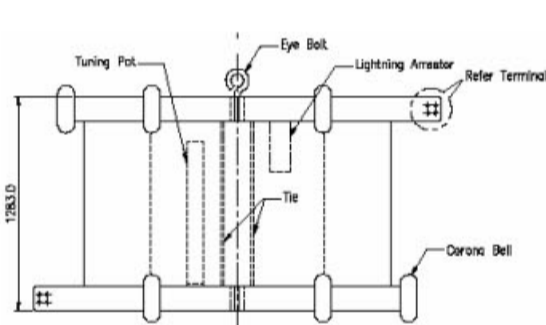
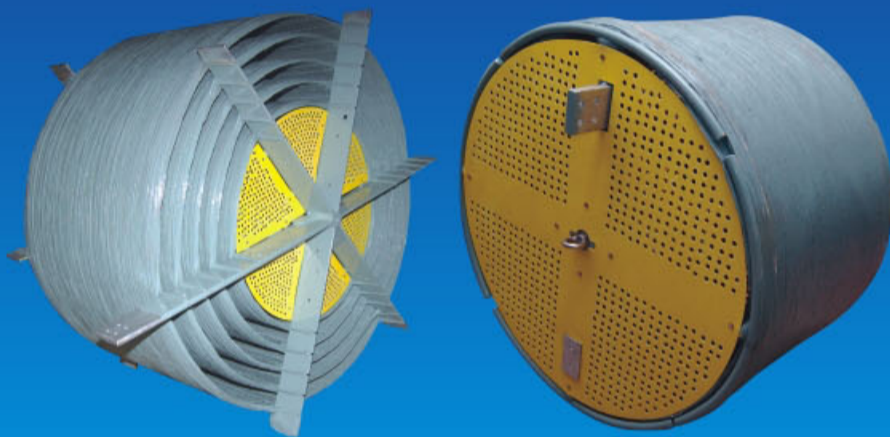


Line Trap

General description: High voltage transmission lines are used for the transmission of carrier signals between 30 KHz to 500 KHz for Speech, Data, and Protection signals. Line Traps are used to prevent the loss of these high frequency signals to the sub-station side. The Line Traps are connected in series to the Transmission line and are designed to carry the rated power frequency current, as well as to withstand the sub-station fault currents.

Advantages:

- Insulating material used meets class 'F' requirements of temperature as per IEC.
- High operational security ensured by.
- Full inter turn insulation with epoxy impregnated glass fibre.
- High short circuit strength inherent with continuous filament fiberglass "roving" and vertical and horizontal ties.
- Self supporting, solid structure formed by encapsulation technique.
- Epoxy resins compatible with the glass fibre under thermal shock condition.
- Aluminium construction throughout with all current carrying connections welded.
- Low noise levels at full load current kept very low.
- Maintenance free.
- Conditioned to withstand extreme temperature fluctuations and whether conditions.
- Tuning element is designed with components carefully selected to give the optimum performance under all conditions of service.
- Atmospheric pollution and climatic changes do not effect the performance.
- No creepage path, due to the encapsulation of the main coil.
- Stranded conductors are used to minimize losses due to eddy currents.
- The terminal supporting spider is reinforced to withstand the short circuit forces during fault conditions.
- Corona ring provided to maintain the RIV voltage levels within specified limits.



Technical Data

Line Trap Type	Current Rating (Amp)	Inuctance (mH)	Short time current rating Thermal (kA)		Short time current rating Dynamic (kA)		Frequency Band (KHz)	Class of Insulation	Dimensions		Weight (KG)	Type of Mounting
			S-I	S-II	S-I	S-II			Height (mm)	Dia (mm)		
400/0.5	400	0.5	10	16	25.5	41	90-150/150-500	F	747	934	170	Suspension / Pedestal
400/1.0	400	1	10	16	25.5	41	50-90/90-500	F	864	1217	235	Suspension / Pedestal
630/0.2	630	0.2	10	16	25.5	41	130-180/180-260 / 260-500	F	670	700	115	Suspension / Pedestal
630/0.5	630	0.5	10	16	25.5	41	90-150/150-500	F	730	1092	180	Suspension / Pedestal
630/1.0	630	1	10	16	25.5	41	50-90/90-500	F	1050	1217	250	Suspension / Pedestal
800/0.5	800	0.5	20	25	51.0	64	90-150/150-500	F	830	1092	219	Suspension / Pedestal
800/1.0	800	1	20	25	51.0	64	50-90/90-500	F	1146	1275	320	Suspension / Pedestal
1250/0.5	1250	0.5	31.5	40	80.3	102	90-150/150-500	F	950	1575	420	Suspension / Pedestal
1250/1.0	1250	1	31.5		80.3		50-90/90-500	F	1095	1640	580	Suspension / Pedestal
1600/0.5	1600	0.5	40		102.0		90-150/150-500	F	1524	889	580	Suspension / Pedestal
2000/0.5	2000	0.5	40		102.0		90-150/150-500	F	970	1845	680	Suspension / Pedestal
2000/1.0	2000	1	40		102.0		50-90/90-500	F	1283	1820	1000	Pedestal
3150/1.0	3150	1	50		127.5		50-90/90-500	F	1655	2218	2000	Pedestal
4000/1.0	4000	1	40		102.0		50-90/90-500	F	1753	2600	2500	Pedestal