

CVT Line Trap Mounting

Ritz CVT's can be easily adapted to mount Ritz Line Traps and most common line traps available on the market. Upon request Ritz will provide our standard line trap adapters at a nominal cost. This adapter replaces our standard primary terminal and provides mounting holes to securely attach the line trap directly on top of the CVT. With Ritz SR,SI,SM,IM type CVT's the maximum wind loading allowable is determined by the cantilever breaking strength of the porcelain. The table below indicates the typical application limits for Ritz vertical mounted line traps and CVT's. Please consult the factory for specific application details and special situations.

For Ritz ER and EM type CVT's which utilize larger diameter porcelains that have much greater cantilever strength the limiting factor becomes the base tank. The following tables are calculated based on a maximum wind velocity of 120 mph and a safety factor of 1.5

This data is valid for vertical line trap mounting only. Other mounting methods can be employed for applications that exceed the values indicated.

SR,SI,SM,IM Type CVT's

Volt. Rating	0.265 mH Line Trap Current rating (Amp)				
	400	800	1200	1600	2000
72.5 kV	Y	Y	Y	Y	Y
123	Y	Y	Y	Y	Y
145	Y	Y	Y	Y	Y
170	Y	Y	Y	Y	Y
245	Y	Y	Y	Y	N
300	Y	Y	Y	N	N
362	Y	Y	Y	N	N
420	Y	Y	N	N	N
550	Y	N	N	N	N

ER & EM Type CVT's

Volt. Rating	0.265 mH Line Trap Current rating (Amp)				
	400	800	1200	1600	2000
72.5kV	Y	Y	Y	Y	Y
123	Y	Y	Y	Y	Y
145	Y	Y	Y	Y	Y
170	Y	Y	Y	Y	Y
245	Y	Y	Y	Y	Y
300	Y	Y	Y	Y	Y
362	Y	Y	Y	Y	Y
420	Y	Y	Y	Y	N
550	Y	Y	Y	N	N