

Data Sheet no. 1.79/1

Allocation of Components to Metal-Clad HVAC Test Systems

The rated voltages of metal-clad HVAC Test Systems (Catalog Sheet 1.70) and those of their components (Data Sheets 1.71 to 1.75) are not completely harmonized because of the very different types of test voltage sources (transformers and reactors). For instance **one** type of enclosure is used for all test systems with rated voltages between 230 and 510 kV. The following table enables the allocation of components to the different test systems.

Type designation of test systems:

- WP...G: Systems with oil-insulated transformers with higher power and continuous operation
- WPG...G: Systems with SF₆ - insulated transformers with lower power and short-term operation
- WRV...G: Resonant systems with SF₆ - insulated reactors for medium power and short-term operation

rated voltages	test system ratings			transformer / reactor ratings			enclosures elements	capacitors	blocking impedances LS...G	bushings SF ₆ -to- air	PD calibration element	remarks
	WP...G	WPG...G	WRV...G	PEO oil-insulated kV	PEG SF ₆ -insulated kV	DEG SF ₆ -insulated kV						
kV	kV/A	kV/A	kV/A				kV	kV	kV		kV	
230		230/0.2			230			250		250	(adapted to the enclosures) (510) (680) (800) (1000)	for each group of rated voltages one common type of enclosures is used
325		325/0.1	325/1.5		325	325			325			
400	400/2			400				400		400		
460			460/1.5			460						
500	500/2			500								
510		510/0.2			510		510	510	510	510		
540			540/1.5			540						
600	600/1.7			600				600		600		
680			680/1.5			680	680	680	680	680		
750		750/0.3	750/1.9		750	750						
800	800/1.25			800			800	800	800	800		
1000		1000/0.4 1000/0.5	1000/0.65		1000	1000						
related Data Sheet	1.70			1.12	1.71	8.13	1.72	1.73	1.74	1.75	6.12	

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