NEW VALVE LIGHTNING ARRESTERS

Distribution Type Arc Extinction with Permanent Magnet

NVD-Type



9KV NVD-9



21KV NVD-21



NVD-Type Lightning Arrester

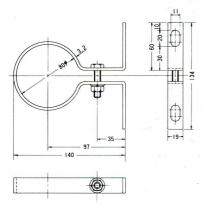
ADVANTAGES

- 1. NVD-type lightning arrester has ability which is enough to be satisfied with ANSI, BS, and IEC standard respectively. and this lightning arrester has characteristics of miniature and lightweight.
- 2. Since especially insulated spacer is made of advantageous alumina porcelain, it is not broken out by insulating, heating withstand characteristice and surge, vibration etc.
- 3. Since the arc is extingushed by permanent magnet, exhaustion of electrode is little and the arrester has abillity of excellent and stable cutoff.
- 4. The synsetic rubber is adopted as a material of sealing packing, the most important parts for perfectly sealded structure of an arrerter and as all of arrester is strictly checked its airtightness in vacuum process, remarkable long life is guaranteed as an arrester is completely free from penetration of moisture and so on.

Performance Characteristics of NVD-TYPE Lightning arresters IEC Publication 99-1

	Insulation withstand test voltage			Power	Maximum Impulse			Maximum residual	2	
Rated voltage (kv rms)	Impulse 1x50 µs full wave kv crest(BIL)	1 min, Dry test	10 sec, Wet test	frequency sparkover voltage (kv rms)	sparkover test voltages			voltages 8x20µs current wave(kv)	Dimen- sions	Weights
					Front steepness	Std.	F.O.W.	peak at 5 KA	(mm)	(kg)
					F.O. W (kv/μs)	kv peak	kv peak			
3	45	15	13	4.8	25	13	15	13	195	1.6
4.5	45	15	13	7.2	37	17.5	20	17. 5	195	1.6
6	60	21	20	9.6	50	22. 6	26	22. 6	245	2. 2
8. 4	75	27	24	14. 4	75	32.5	38	32. 5	285	2. 5
10.5	75	27	24	16.8	87	38	44	38	285	2. 5
12	85	31	27	19. 2	100	43	50	43	325	3. 5
15	95	35.	30	24	125	54	62	54	375	4. 7
18	125	42	36	28. 8	150	65	75	65	425	5. 2
21	125	42	36	33. 6	175	76	88	76	475	5. 8
24	150	.70	60	38. 4	200	87	100	87	560	7. 2
27	150	70	60	43. 2	225	97	, 112	97	610	7. 8
30	150	70	60	48	250	108	125	108	660	8.8
33	200	95	80	52. 8	275	119	137	119	720	9. 4

Mounting bracket for distribution type arrester



Mounting bracket A-Type

Type	T	Use			
A	3. 2	NVD-3, 4.5, 6, 9, 10.5			
В	4. 5	NVD-3, 4.5, 6, 9, 10. 5, 12			
В	6	NVD-15, 18, 21			
В	9	NVD-24, 27, 30, 33			

