



YX-LPD-100/1000 SPARK GAP

Voltage spikes occurring as a result of lightning strikes can damage flange insulation, in some cases beyond repair. Isolating spark gaps for aboveground and underground installation are used to indirectly earth and connect functionally isolated parts of installations under lightning conditions.

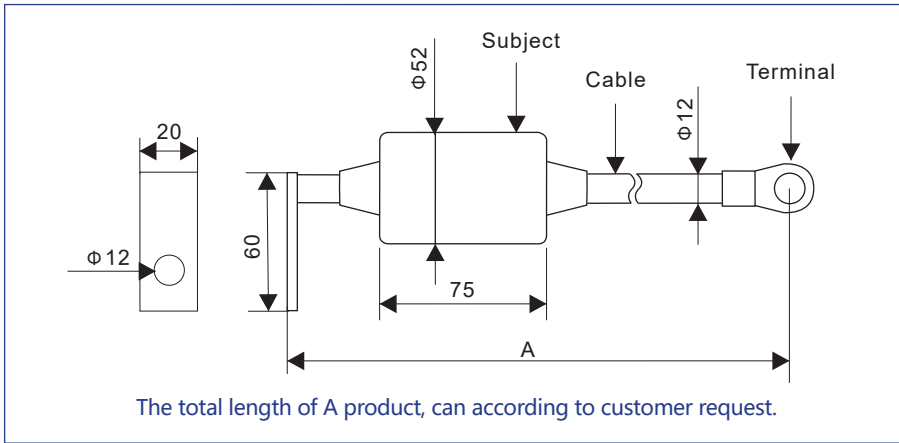
YUXI isolating spark gap with suitable connection technology have the task of protecting insulating pieces and flanges against surge voltages and arresting lightning energy without sparks, even when a potentially explosive atmosphere occurs.

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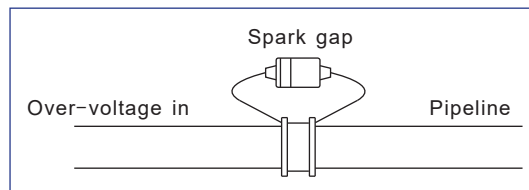
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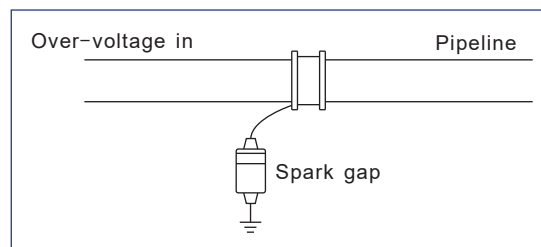


METHOD OF USE

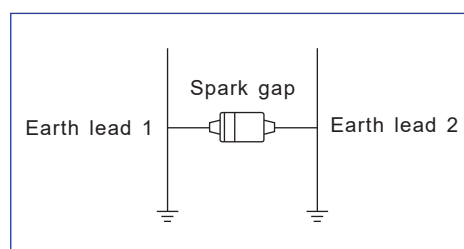
1. Protection of insulating flange



2. To protect the safety of pipeline operation personnel



3. Used earthing




APPLICATION

- ▶ Used in the oil and the gas pipeline insulation flange at both ends to prevent the lightning over-voltage breakdown flange
- ▶ The oil and the gas pipeline will be adopted spark gap link earth, the pipeline voltage will be limited to a relative low voltage, prevent over- voltage on the pipeline the physical to endanger contact with staff
- ▶ Used earthing.

INSTALLATION & MAINTENANCE

The product used in earthing or connect in equipment between the earth,connecting bolts can direct connected grounding line.It is no maintenance.

SPECIFICATIONS

NO.	Items	Parameters
1	Normal discharge current	100kA(8/20μs)
2	Maximum discharge current	50kA (10/350μs)
3	DC spark over voltage	1500V(from 1300~1800V)
4	AC spark over voltage(50Hz)	≤1000V
5	Impact breakdown voltage(1.2/50μs)	≤2200V
6	Rated short-duration power frequency withstand voltage	250V
7	Rated discharge current	≥100A(0.5s)
8	Insulation resistance	≥50MΩ
9	Response time	≤100ns
10	Explosion-proof marking	 II 3 G
11	Color appearance	Red
12	Protection grade	IP68
13	Operating environment	-40°C~+70°C