产品及应用 PRODUCTS APPLICATIONS

- 该滤波电抗器用于低压滤波柜中，与滤波电容器相串联，调谐至某一谐振频率，用来吸收电网中相应频率的谐波电流。低压电网中有大量整流、变流、变频装置等谐波源，其产生的高次谐波会严重危害主变及系统中其它电器设备的安全运行。滤波电抗器与电容器相串联后，不但能有效地吸收电网谐波，而且提高了系统的功率因数对于系统的安全运行起到了较大的作用
- 该滤波电抗器分为三相和单相两种，均为铁心干式
- 铁芯采用优质低损耗进口冷轧取向硅钢片，芯柱由多个气隙分成均匀小段，气隙采用环氧层压玻璃布板作间隔，采用高温高强度粘接剂粘接，以保证电抗气隙在运行过程中不发生变化
- 线圈采用H级漆包扁铜线绕制，排列紧密且均匀
- 电抗器的线圈和铁芯组装成一体后经过预烘→其空漫漆→热烘固化这一工艺流程，采用H级浸渍漆，使电抗器的线圈和铁芯牢固地结合在一起
- 电抗器的夹件、紧固件等采用非磁性材料，确保电抗器具有较高的品质因数，确保具有较好的滤波效果
- 外露部件均采取了防腐烛处理，引出端子采用了镀锡铜管端子

- The filter reactor is used in low-voltage filter cabinet, connected in series with filter capacitor, tuned to a certain resonant frequency, used to absorb the corresponding frequency of harmonic current in the grid. There are a large number of rectifier, converter, frequency converter and other harmonic sources in the low-voltage grid, and the high harmonics generated by them will seriously endanger the safe operation of the main transformer and other electrical equipment in the system. Filter reactor and capacitor series connection, not only can effectively absorb grid harmonics, and improve the power factor of the system for the safe operation of the system plays a greater role.
- The filter reactor is divided into three-phase and single-phase two kinds, are iron core dry type.
- The core is made of high quality and low loss imported cold rolled silicon steel sheet, the core column is divided into small uniform sections by multiple air gaps, the air gaps are spaced by epoxy laminated glass cloth panels, and bonded by high temperature and high strength adhesive to ensure that the reactance air gaps do not change during the operation.
- The coil is wound with H-grade enamelled flat copper wire, which is tightly and evenly arranged.
- Reactor coils and cores are assembled into a single unit after pre-drying → its empty diffusion paint → hot baking and curing process, the use of H-class impregnating varnish, so that the reactor coils and cores are firmly bonded together.
- The clamps and fasteners of the reactor are made of non-magnetic materials to ensure that the reactor has a high quality factor and a good filtering effect.
- Exposed parts are treated with corrosion-resistant candles, and tin-plated copper tube terminals are used for the lead-in terminals.

技术参数 SPECIFICATION

1、可用于400V、660V系统
2、额定绝缘水平3kV／min
3、电抗器各部位的温升限值：铁芯不超过85K，线圈温升不超过95K
4 、电抗器噪声不大于50dB
5、三相电抗器的任意两相电抗值之差不大于±2%
6、 耐混等级H级（180°C）以上

1、Available for 400V, 660V systems
2、Rated insulation level 3kV/min
3、Temperature rise limit for each part of the reactor: core not more than 85K, coil temperature rise not more than 95K
4 、Reactor noise not more than 50dB
5、The difference between the reactance values of any two phases of the three-phase reactor is not more than ±2%.
6、 Mixing resistance class H (180°C) or higher

5次滤波电抗器型号参数 5 times filter reactor type parameters

电抗器型号 Reactor type	电抗器电感量 μH Inductance value	电容器容量 kvar Capacity	额定总电流 A Rated current	额定谐波电流 A Rated current	外型尺寸 Dimensions			安装尺寸 Installation size		
					L	W	H	A	B	安装孔
LKSG-0.4-30/1799	1799	20	30	18	260	175	230	200	115	9x15
LKSG-0.4-35/1439	1439	25	40	22	260	175	265	200	115	9x15
LKSG-0.4-45/1199	1199	30	45	27	280	175	290	220	115	9x15
LKSG-0.4-60/899	899	40	60	35	290	185	315	230	125	9x15
LKSG-0.4-75/719	719	50	75	45	290	195	320	230	135	9x15
LKSG-0.4-90/600	600	60	90	55	290	200	360	230	135	9x15
LKSG-0.4-105/514	514	70	105	65	320	200	365	260	135	9x15
LKSG-0.4-120/450	450	80	120	75	350	200	405	290	135	11x18
LKSG-0.4-135/400	400	90	135	85	350	200	405	290	135	11x18
LK5G-0.4-150/360	360	100	150	95	350	210	420	290	145	11x18
LKSG-0.4-180/300	300	120	180	110	380	210	450	320	145	11x18
LKSG-0.4-225/240	240	150	225	140	380	210	530	320	145	11x18
LKSG-0.4-270/200	200	180	270	165	380	240	505	320	165	11x18
LKSG-0.4-300/180	180	200	300	180	380	240	545	320	165	11x18
LKSG-0.4-375/174	174	250	375	250	540	350	610	400	300	13x23
LKSG-0.4-450/145	145	300	450	300	540	350	665	400	300	13x23
LKSG-0.4-525/124	124	350	525	350	540	350	690	400	300	13x23
LKSG-0.4-595/109	109	400	595	400	540	350	770	400	300	13x23
LKSG-0.4-670/97	97	450	670	450	590	350	800	400	300	13x23
LKSG 0.4-745/87	87	500	745	500	590	350	855	400	300	13x23
LKSG-0.4-820/79	79	550	820	550	590	350	910	400	300	13x23
LKSG-0.4-895/73	73	600	895	600	590	350	965	400	300	13x23

7次滤波电抗器型号参数 7 times filter reactor type parameters

电抗器型号 Reactor type	电抗器电感量 μH Inductance value	电容器容量 kvar Capacity	额定总电流 A Rated current	额定谐波电流 A Rated current	外型尺寸 Dimensions			安装尺寸 Installation size		
					L	W	H	A	B	安装孔
LKSG-0.4-30/921	921	20	30	18	260	155	180	200	95	11x18
LKSG-0.4-35/737	737	25	35	22	260	155	195	200	95	11x18
LKSG-0.4-45/614	614	30	45	25	250	160	220	190	105	11x18
LKSG-0.4-55/461	461	40	55	35	260	175	220	200	115	11x18
LKSG-04-70/368	368	50	70	45	290	175	240	230	115	11x18
LKSG-0.4-85/307	307	60	85	55	290	185	240	230	125	11x18
LKSG-0.4-100/263	263	70	100	60	290	185	275	230	125	11x18
LKSG-0.4-115/230	230	80	115	70	280	195	270	220	135	11x18
LKSG-0.4-130/205	205	90	130	80	300	195	290	240	135	11x18
LKSG-0.4-145/184	184	100	145	90	330	195	295	270	135	13x23
LKSG-0.4-170/154	154	120	170	105	320	195	320	260	135	13x23
LKSG-0.4-210/123	123	150	210	130	350	205	335	290	145	13x23
LKSG-0.4-255/102	102	180	255	160	350	205	380	290	145	13x23
LKSG-04-285/92	92	200	285	180	380	205	390	320	145	13x23