

## 水冷电抗器 (WCR) Water-cooled reactor

### ■ 产品概述 (Product Introduction)

水冷电抗器主要用于高温系统中，它不仅能够达到普通电抗器的各项性能指标，而且水冷电抗器采用水冷循环，提高耐热温度材料效率从而来适应高温环境要求。

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电流范围 Current Range: 100-1500A

电压范围 Voltage Range: 220V-1140V

### ■ 成品识别码 (Product Identification Code)



## 风水冷电抗器 (WWR) Wind Water-cooled reactor

### ■ 产品概述 (Product Introduction)

风冷+水冷电抗器是一种结合空气冷却（风冷）和液体冷却（水冷）技术的混合冷却方式电抗器，其设计目的是兼顾两种冷却方式的优势，提高散热效率，适应高功率密度或复杂工况需求。

Air cooled+water-cooled reactor is a hybrid cooling method reactor that combines air cooling (air-cooled) and liquid cooling (water-cooled) technologies. Its design aims to balance the advantages of both cooling methods, improve heat dissipation efficiency, and adapt to high power density or complex working conditions.

风冷部分通过自然对流或强制风扇驱动空气流动，带走电抗器绕组和铁芯的热量。

The air-cooled part drives air flow through natural convection or forced fans, taking away the heat from the reactor windings and iron core.

电流范围 Current Range: 100-1500A

电压范围 Voltage Range: 220V-1140V

### ■ 成品识别码 (Product Identification Code)



## 空心电抗器 (HAR) Core Reactor

### ■ 产品概述 (Product Introduction)

采用高品质的环氧树脂真空浸渍，并高温固化。该产品具有节能、电感线性度好，电抗值精确、线圈温升分布均匀、动热稳定性能高，抗短路、过载能力强，绝缘强度高，电磁场均匀性好，损耗低，温升低使用寿命长，基本免维护，噪声低，阻燃、无污染体积小、重量轻和安装运用使用方便等特点。

It applies the high quality epoxy resin vacuum impregnation, solidification through high temperature. The product has the features of energy saving, good inductive performance, accurate resistance value, uniform distribution of coil temperature rise, high dynamic thermal stability, anti-short circuit, strong overload ability, good insulation intensity, good uniform distribution of electromagnetic field, low loss, low temperature rise, long service life, maintenance-free, low noise, flame-retardant, pollution-free, small size, light weight, and easy to installation and use and so

### ■ 产品应用 (Product Application)

一般用于配电线路。从同一母线引出的分支馈线上往往串有空心限流电抗器，以限制馈线的短路电流并维持母线电压，不致因馈线短路而致过低。并在其表面进行耐候涂层处理：喷涂具有高绝缘电阻和憎水性的室温硫化硅橡胶(RTV),利用RTV胶的优良绝缘性能，使电抗器沿面电阻保持较好的绝缘性能，对电抗器产品表面树枝状放电现象具有很好的抑制作用。从而保证空心限流电抗器在户外环境下安全运行。该产品应用计算机进行电磁优化计算和空间三维结构设计，采用环氧玻纤增强的多包封并联结构、使用先进的工艺技术和微机控制的生产设备及引进的检验设备进行生产和检验。该产品具有电感线性好、损耗低、温度分布均匀、绝缘强度高、机械强度高、局放小、噪音低、体积小、重量轻、防潮、阻燃、过载能力强、可靠性高、无污染、免维护、环境效果好等优点。

Generally used for distribution lines. Hollow current limiting reactors are often connected in series on branch feeders from the same busbar to limit the short-circuit current of the feeder and maintain the busbar voltage, so as not to be too low due to feeder short circuits. And weather resistant coating treatment is applied to its surface: spraying room temperature vulcanized silicone rubber (RTV) with high insulation resistance and hydrophobicity, utilizing the excellent insulation performance of RTV rubber to maintain good insulation performance along the surface resistance of the reactor, and effectively suppressing the dendritic discharge phenomenon on the surface of the reactor product. Thus ensuring the safe operation of hollow current limiting reactors in outdoor environments. This product uses computers for electromagnetic optimization calculations and spatial 3D structure design. It adopts a multi encapsulated parallel structure reinforced with epoxy fiberglass, advanced process technology, microcomputer controlled production equipment, and imported inspection equipment for production and inspection. This product has the advantages of good inductance linearity, low loss, uniform temperature distribution, good insulation strength, high mechanical strength, small partial discharge, low throat sound, small size, light weight, moisture-proof, flame retardant, strong overload capacity, high reliability, pollution-free, maintenance free, and good environmental

电流范围 Current Range: 30-1600A

电压范围 Voltage Range: 220-35KV

### ■ 成品识别码 (Product Identification Code)

