ZDR Water-cooled Resistor Series

Features

- Stainless shell and heat-transfer filler separate water and electrics
- Resistor core withstands transient current surges
- Resistant to thermal expansion and contraction
- Fresh or pure water cooling; low water-quality requirements



Applications

For water-cooled tanks used in load and braking applications.

Models & Performance Specifications

Model	Braking power	Load power	Resistance range	Withstand (DC)	Overall dimensions	Weight
ZDR09-125	250 kW	40 kW	10~100 Ω	DC 5~10 kV	≤φ250×680 mm	≤58 kg
ZDR-W2	250 kW	50 kW	1~100 Ω	DC 5~10 kV	≤φ310×680 mm	≤85 kg
ZDR20-250	200 kW	65 kW	1~100 Ω	DC 5~10 kV	≤φ385×680 mm	≤95 kg
ZDR10K-200	125 kW	65 kW	1~100 Ω	DC 21 kV	≤φ700×320 mm	≤150 kg

Design & Installation

Uses stainless tubular power resistors for high reliability, thermal conductivity, voltage withstand and insulation.

Modular construction facilitates installation, use, maintenance and replacement.

Argon-arc-welded flanges and supporting flanges resist shock, vibration and collision.

Installation tanks may be customized to the required power volume and voltage withstand.