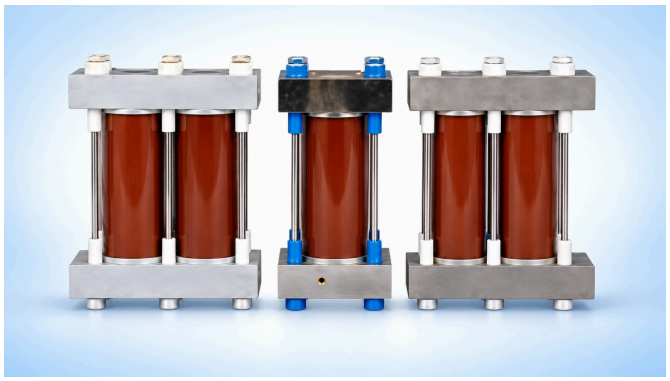
RXS-A/D High-Power Water-Cooled Resistors

Product Introduction

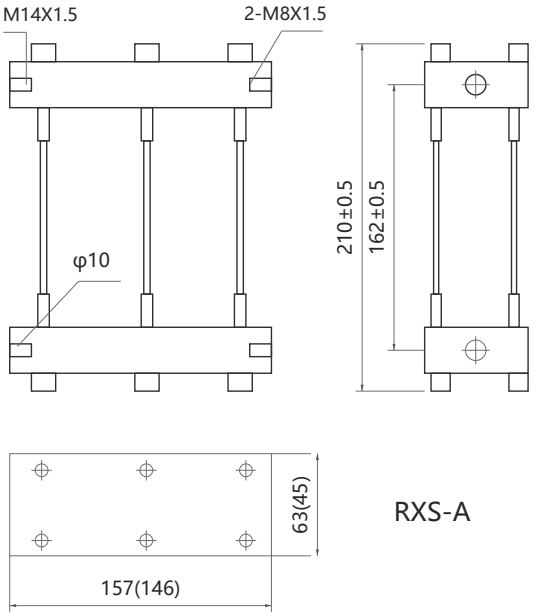
• Product features: Compact size and high power. Low inductance. Direct water cooling provides low temperature rise, high reliability and easy maintenance.

• Applications: Capacitor discharge in IGBT circuits of high-power electrical and electronic equipment; also used for voltage division, current shunting and discharge circuits in high-power equipment.

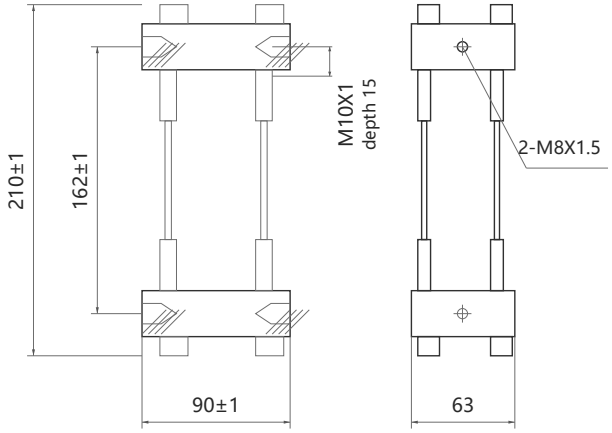
• Products complying with RoHS and REACH requirements can be manufactured.



Dimensions



RXS-A



RXS-D

Specifications

Model	Rated power (KW)	Resistance range (Ω)	Cooling medium	Medium flow	Operating environment
RXS-A	10	0.3 ~ 3	Deionized water + ethylene glycol	≥8	Temperature range: (-25 ~ +70)°C; altitude: ≤1000m
RXS-D	5	0.3 ~ 3	Deionized water + ethylene glycol	≥4	

Main Test Items

Test item	Test conditions	Performance requirements	Test standard
Leak tightness	Pressure: 0.6Mpa; 10min	No water leakage	-
Medium temperature rise	Ambient temperature: (15 ~ 35)°C; cooling medium; rated power	Inlet/outlet water temperature difference ≤30°C	-
Voltage withstand	Voltage: 6KVac; 1min; between terminals and mounting threaded rods	No breakdown or flashover	GB/T 5729-2003 Clause 4.7
Vibration	Frequency: (1 ~ 50)Hz; amplitude: 0.075mm or acceleration: 10m/s2; 6h	Seal remains intact; ΔR≤±(1%R+0.05Ω)	GB/T 2423.10-1981

Ordering Example

Model	Rated power	Nominal resistance	Resistance tolerance	Quantity
RXS-A	10KW	3Ω	±5%	1000 pieces