



DID YOU KNOW? WCR AND DCRF WATER COOLED RESISTORS

High power, electronic water cooled converters and HVDC valves require advanced power dissipation resistors with high pulse load capacity, long term reliability, and robust designs in a smaller space.

WCR and DCRF power water cooled resistors are two high performance technologies that are the perfect choice to meet these requirements, since they combine a high power rating (up to 9 kW) with the advantages of the wirewound technology without heating nearby components.

Figure 1. WCR: "Indirect" Water Cooled Resistor
(Power Range: 1.5 kW Up to 2.5 kW)

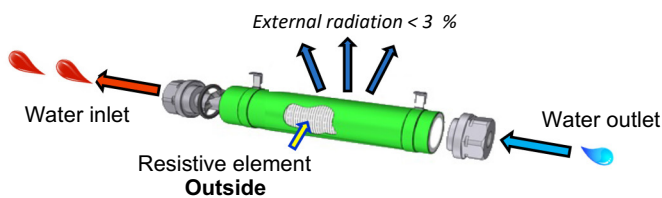
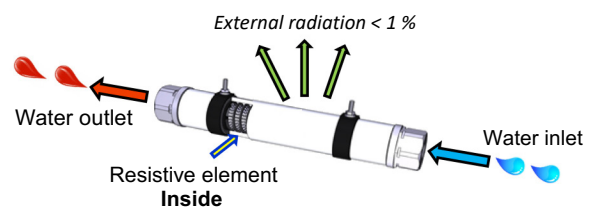
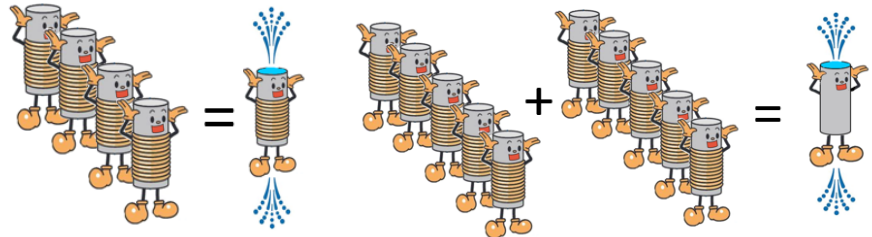
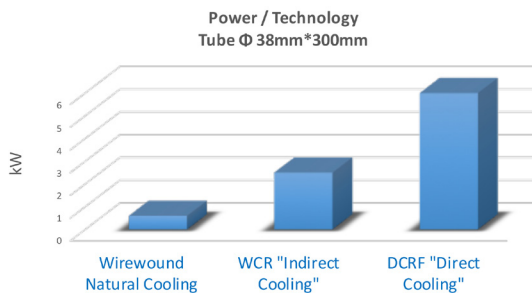


Figure 2. DCRF: "Direct" Water Cooled Resistor
(Power Range: 1.5 kW Up to 9 kW)



High power rating

The significantly high power rating of the WCR and DCRF — up to 4x and 10x that of standard technology, respectively — allows for space savings while reducing external radiation.



Choose WCR and DCRF

The WCR and DCRF are the optimum choice for large industrial drives, HVDC valves, and battery management systems that require:

- High power ratings
- High pulse load ratings
- Limited thermal radiation (increasing reliability of the complete system)
- Multiple resistive functions