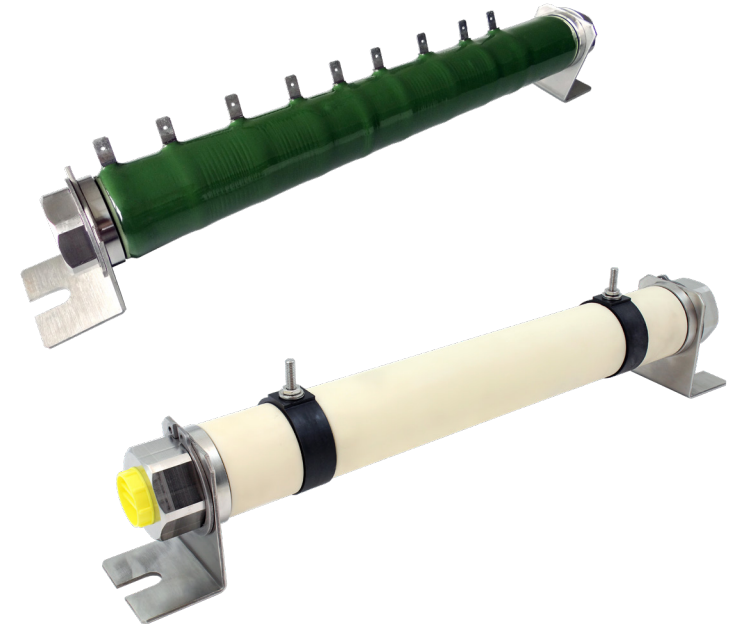




# CAPABILITIES AND CUSTOM OPTIONS

## WCR AND DCRF WATER COOLED RESISTORS

Application Example	Advantage
Snubber resistors for: <ul style="list-style-type: none"> <li>HVDC valves</li> <li>SVC converters</li> <li>Industrial drives</li> </ul>	<ul style="list-style-type: none"> <li>Very high power up to 2.5 kW (WCR) and 9 kW (DCRF)</li> <li>High pulse load capability</li> <li>Low inductivity option</li> </ul>
Discharge resistors for: <ul style="list-style-type: none"> <li>Industrial drives</li> <li>Battery management systems</li> </ul>	<ul style="list-style-type: none"> <li>Very high power up to 2.5 kW (WCR) and 9 kW (DCRF)</li> <li>High overload performance 2 * P<sub>n</sub> WCR 10 s, DCRF 60 s</li> <li>Low external radiation</li> </ul>
Filters resistors for: <ul style="list-style-type: none"> <li>Industrial drives</li> </ul>	<ul style="list-style-type: none"> <li>Very high power up to 2.5 kW (WCR) and 9 kW (DCRF)</li> <li>High pulse load capability</li> <li>Option three resistors on one tube (one resistor per phase)</li> </ul>
DC grading resistors for: <ul style="list-style-type: none"> <li>HVDC valves</li> </ul>	<ul style="list-style-type: none"> <li>High ohmic value</li> <li>Tight tolerance and low TCR</li> </ul>



### SPECIALTY DEVICES

Capabilities	Application	Series
<ul style="list-style-type: none"> <li>Snubber + discharge resistor on the same tube</li> </ul>	Industrial drives	<a href="#">WCR</a>
<ul style="list-style-type: none"> <li>Three resistors on one tube (one resistor per phase)</li> </ul>	Filter	<a href="#">WCR</a> or <a href="#">DCRF</a>
<ul style="list-style-type: none"> <li>High power snubber + discharge resistor on the same support</li> </ul>	Industrial drives	<a href="#">WCR</a> or <a href="#">DCRF</a>

### CUSTOM OPTIONS

Capabilities	Series
<ul style="list-style-type: none"> <li>Low inductance version available</li> <li>Up to eight resistive values on the same support</li> <li>Specific hydraulic connectors</li> </ul>	<a href="#">WCR</a>
<ul style="list-style-type: none"> <li>Custom electrical terminals for high current</li> <li>Specific hydraulic connectors</li> </ul>	<a href="#">DCRF</a>