

CRESSALL REGENERATIVE VEHICLE BRAKING



Advanced liquid cooled resistor modules for hybrid/electric vehicles

Cressall has developed a new range of liquid cooled resistors for the braking systems of hybrid and all-electric vehicles. Proposed E.U. regulations for these vehicles will require brake systems with a continuous rating: these can best be met by using specially designed brake resistors.

Our EV resistors convert excess electricity that is not needed for recharging into heat that can be fed back into the vehicle's energy cycle.

Cressall uses a patented system that encapsulates and totally separates the resistor elements from the coolant and a construction that reconciles maximum thermal conductivity with maximum electrical insulation.

Manufactured using advanced materials for reliability, the units are compact, light and completely recyclable.

The simple modular construction means Cressall's EV resistors can be combined to handle any power inputs from 10kW upwards.

The new EV range has been extensively vibration tested and, because it has no ambient temperature limits, can be mounted wherever appropriate in the vehicle's coolant system.

CRESSALL

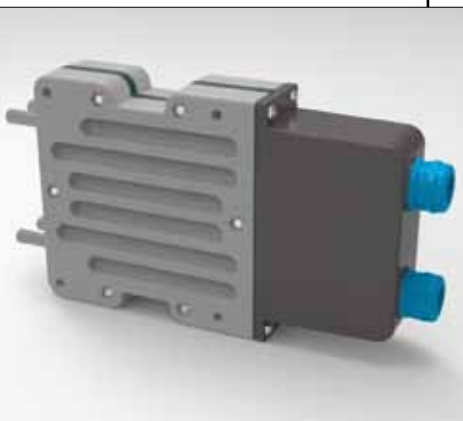
Evington Valley Road, Leicester, LE5 5LZ, U.K.

Tel: +44 (0) 116 273 3633 Fax: +44 (0) 116 273 7911

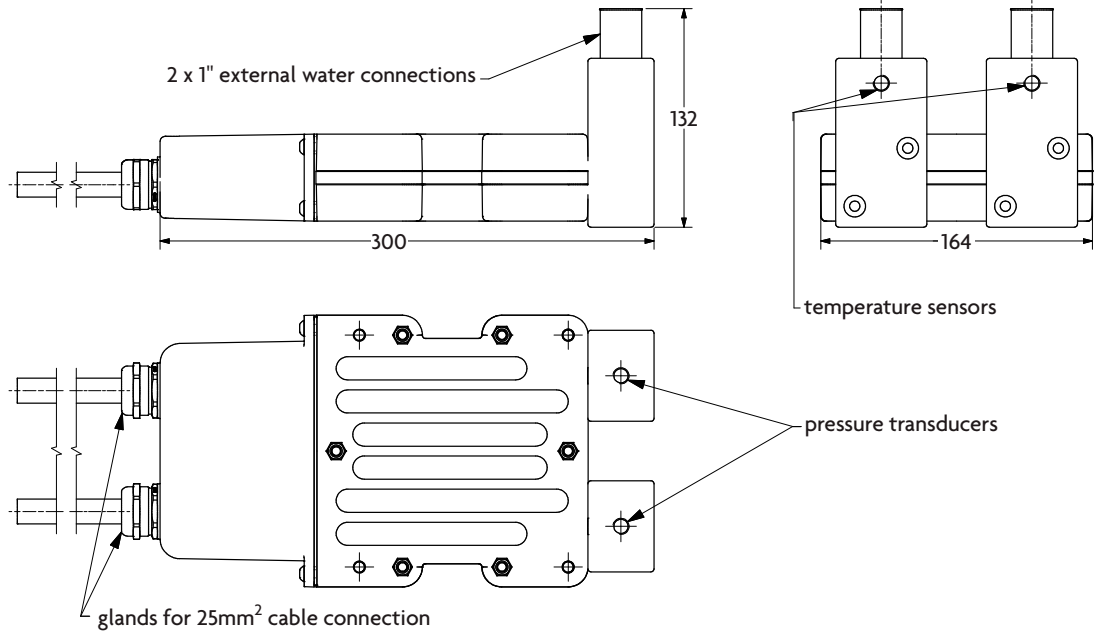
email: sales@cressall.com

www.cressall.com

© Cressall Resistors Ltd, Evington Valley Road, Leicester, LE5 5LZ, United Kingdom. Cressall reserve the right to change and improve products and specifications.



EV 25kW module



EV water cooled resistors

Continuous power ratings: 10kW+

Voltages: 12V to 6kV

Coolant flow rates: to suit continuous power

Coolant pressure: up to 3 bar

Electrical and coolant connections: configured to suit application

Patent-pending construction

Water cooling circuits completely separate from electrical parts

The new EV resistor range is just the latest example of Cressall's commitment to advancing electrical braking technology. Our resistors are used in regenerative and dynamic braking for locomotives, metros and mass transit systems, trams, buses, cranes, ships and oil rigs. They are expected to handle the harshest environments with minimum maintenance, so you can be sure everything we make is made to last.



For more information about this exciting breakthrough in regenerative braking contact our sales engineers at the address below.

CRESSALL

Evington Valley Road, Leicester, LE5 5LZ, U.K.

Tel: +44 (0) 116 273 3633 Fax: +44 (0) 116 273 7911

email: sales@cressall.com

www.cressall.com