

BRAKE RESISTOR HPR 90KW



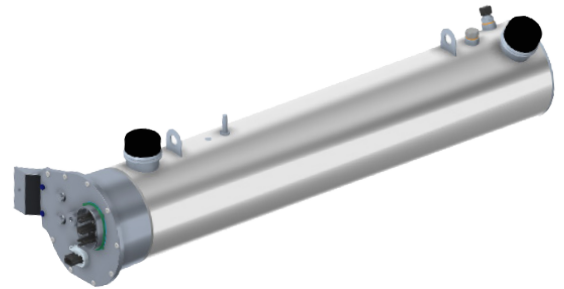
Description

The Brake Resistor ensures quick and consistent converting of excess energy generated during braking in electric motors or generators. This preventing damage to the system and battery. It converts surplus energy into heat, which is transferred to the ambient air through a coolant in the HV power net.

The Brake Resistors technology is developed and adapted for the new generation of EVs and BEVs, adhering to the stringent safety standards set by IATF. Backers Brake Resistors are among the most efficient in the industry and is in production for various Automotive customers. The brake resistor can be tailored to meet the specific needs of each customer.

Product Benefits

- **Fast respons time**
- **In production**
- **Stainless steel**
- **Plug-in function**
- **Compact design**



Technical specification

Max Power	90 kW	Dimension Inc. spigots & connectors	889 x 301 x 241 mm
Operating Voltage	370 VDC	Weight	19 kg
Operating temp	-40 °C to +85 °C	IP Rating	IP6k9k
Material	Heating element: EN1.4404 Casting: ALSI10Mg	Operating hours	Customized
Nominal pressure	2,0 bar	Mechanical	Vibration resistant
Safety	HVIL Equipotential bonding	Options	Thermal insulation
HV Connector	Application selectable	Coolant	Ethylene Glycol and water mixture 50/50 %
LV Connector	TE 1-1703773-1		
Materials	Heating element: EN1.4404 Connection box: EN AC 43 400 Tank, cartridge comp: EN 1.4301 Fasteners: Stainless steel, steel, zinc nickel plated		

Application



- **BV & BEV**
- **Medium-duty and heavy-duty trucks, trams, city busses and coaches**
- **Preventing damage to the system and battery**