

CARBON FIBRE CYLINDER FOR LIFTS



Blain Hydraulics has been working on a project to develop a carbon fibre cylinder for the lift industry.

The objective of the project is to allow high strength and low weight cylinders to be available to the industry. Carbon fibre material simply triples the buckling strength. This permits to serve mid-rise lift applications with a moderate size cylinder. Utilizing a carbon fibre cylinder and a composite cabin & car frame together with the Blain EV4-vvfv solution, which offers an average of 50% energy savings, would increase energy savings up to 70%. This will allow hydraulic lifts to be used more intensively for mid-rise applications, replacing less safe MRL systems for new lift and modernization projects. Light-weight cylinder and car assembly will also ease installations where, transporting bulky & heavy items is logistically challenging and costly such as, in mass transit systems and existing housings. Carbon fibre cylinders are expected to have wide applications in other industries like mining, mass transit systems, off-shore, dry-docks and other marine applications.



We support you when your ideas start elevating

Blain Hydraulics GmbH

Pfaffenstr. 1 · 74078 Heilbronn · Germany
Phone +49 7131 28210 · Fax +49 7131 282199
blain.de · info@blain.de