

Rexroth Counterbalance Cartridge Valves: Your Solution for Precise Load Control



REXROTH COUNTERBALANCE CARTRIDGE VALVES ARE HYDRAULIC DEVICES DESIGNED TO CONTROL THE MOVEMENT OF OVERRUNNING LOADS, ENSURING PRECISE AND RELIABLE CONTROL IN VARIOUS MOBILE APPLICATIONS. LET'S DELVE INTO WHAT REXROTH COUNTERBALANCE CARTRIDGE VALVES ARE, THEIR PURPOSE, DISTINCTIVE FEATURES, AND THE BENEFITS THEY OFFER.

Rexroth **Counterbalance Cartridge Valves** are **hydraulic devices engineered to precisely control the movement of overrunning loads in hydraulic systems**. They prevent unwanted or uncontrolled motion and are essential for **ensuring controlled and smooth load movement in mobile applications**.

CUSTOMER BENEFITS

- Precise control of load movement
- Reduced energy consumption
- Comprehensive system solutions
- Enhanced installation features
- Local stock availability and application support

TECHNICAL FEATURES

- Type VBSN Standard
- Type VBSP Relief Compensated
- Type VBST Fully Compensated (3 port atm. vented)
- Type VBSY Fully Compensated (4 port tank vented)
- Pressure: up to 350 bar
- Flow range: from 30 up to 320 l/min
- Cavity:
 - Mkt interchange (T-11A, T-2A)
 - UNF std (size 08-20)
- Adjustment style:
 - Counterclockwise
 - Clockwise

APPLICATIONS

- Boom lift – lift cylinder
- Boom extension – telescopic cylinder
- Basket or Fork control
- Rotatory actuator control
- Motor brake

These valves are essential **for protecting and optimizing the efficiency of operations in a wide range of mobile applications such as elevating work platforms, telehandlers, truck mounted cranes and aerial lift trucks**.

At Rexroth, we understand the challenges of selecting the right counterbalance valve for load holding applications requiring precise motion control. Our unique selling proposition revolves around simplifying the selection process and offering a global understanding of machine applications. As a leading producer of pumps and mobile valves, we possess unparalleled knowledge of load-holding applications. Additionally, we offer total system solutions and complementary products to support sales of load-holding valves, reducing the number of vendors and streamlining engineering and sourcing.

Our Rexroth counterbalance valves prevent uncontrolled hydraulic motion and excel in load positioning and lowering functions. **They are more robust, stable, and efficient than traditional counterbalance valves, while also being interchangeable.** Additionally, they come standard with corrosion-resistant zinc plating for extended durability.

Rexroth Counterbalance Cartridge Valves are essential for **precise and reliable control of load movement** across various applications, ensuring operational efficiency.

Contact: mailbox.ch@us.bosch.com