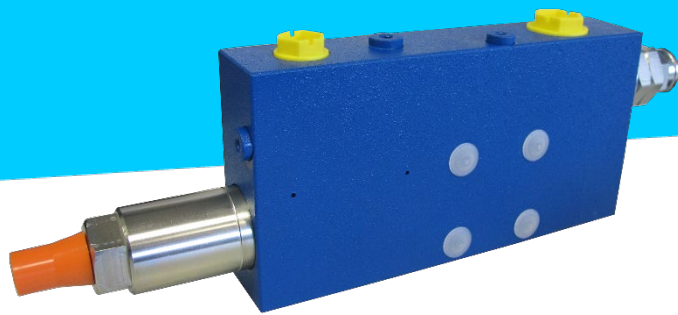


Control Plus - joystick controlled fine metering valve



Patented

THE NEW CONTROL PLUS IS A JOYSTICK CONTROLLED VALVE DESIGNED TO HAVE THE FINEST CONTROL OF THE BOOM DURING LOWERING ON TELEHANDLERS.

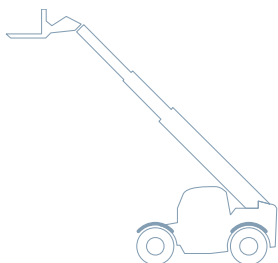
CUSTOMER BENEFITS

- Lowering with the minimum amount of energy
- Possibility to have a smooth stop even with a sudden stop
- No instabilities during lowering
- Impressive better controllability of the machine during lowering
- Maximum comfort for the operator

TECHNICAL DATA

- Max Flow: 150 l/min
- Max Pressure: 350 bar

APPLICATIONS



The Control Plus is the new joystick controlled valve designed for the boom cylinder of telehandlers equipped with hydraulic servo-controls. The Control Plus belongs to the family of A-VBC valves where Bosch Rexroth Oil Control has a long term experience to provide hose burst protection on mobile applications.

The new subassembly with longer stroke ensures fine metering for the maximum work effectiveness and operator comfort.

The valve exploits the gravity lowering concept and recovers oil out of the cylinder full bore side to feed the rod side

The gravity lowering concept helps saving energy together with the low pilot pressure coming from the hydraulic joystick needed to load lowering.

The valve can integrate some additional functions, such as:

- anti-kick at boom lifting;
- soft ride while travelling;
- joystick cushioning for smooth stop of boom lowering no matter how sharply the operator has released the joystick.

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