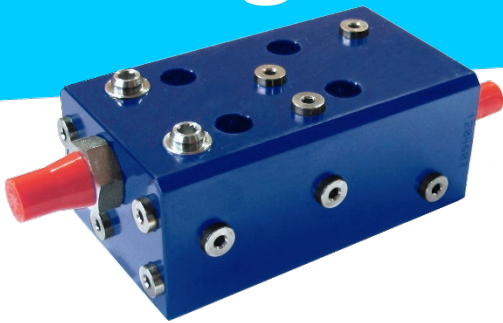


AIR Control, single acting motion control solution for high stability



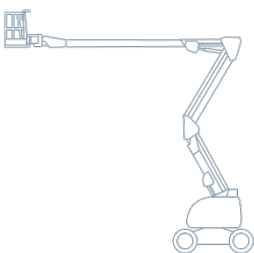
CUSTOMER BENEFITS

- Optimal stability while lowering
- Fine control
- Energy savings

TECHNICAL DATA

- Max Flow: 40 l/min
- Max Pressure: 210 bar

APPLICATIONS



Air Control is the load holding and lowering control solution developed for improved stability and best controllability on mobile applications, it is already available for aerial work platforms and for telehandlers.

On machines that are not provided with external pilot signal, boom holding and lowering is normally controlled with a counterbalance valve piloted by the pressure from cylinder rod side.

The Air Control is a cross-piloted valve that integrates a sub-system able to keep low and constant pressure on the rod side of the cylinder.

The result is a perceivable energy saving and the best stability ever seen during lowering especially if it is used in combination with proportional valves with meter-out flow control.

Air Control is designed to be completely insensitive to load pressure. In this way the new valve ensures the absence of vibrations during boom lowering, because the speed is no more affected by acceleration/deceleration due to load pressure changes, but only depends on the spool opening of the directional control valve.