

Safety and operating instructions

Hydraulic breaker MB 750/750 DP - MB 1700/1700 DP



Safety and operating instructions for hydraulic breaker

**MB 750 / MB 750 DustProtector
MB 1000 / MB 1000 DustProtector
MB 1200 / MB 1200 DustProtector
MB 1500 / MB 1500 DustProtector
MB 1700 / MB 1700 DustProtector**

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9.14 AutoControl - the combined valve system (all models of the MB series, expect MB 750/MB 750 DP)

The AutoControl system is a combination of a pressure holding valve and a switching valve.

The **pressure holding valve** ensures precision breaker operation under any operating conditions

9.14.1 AutoControl for normal operations

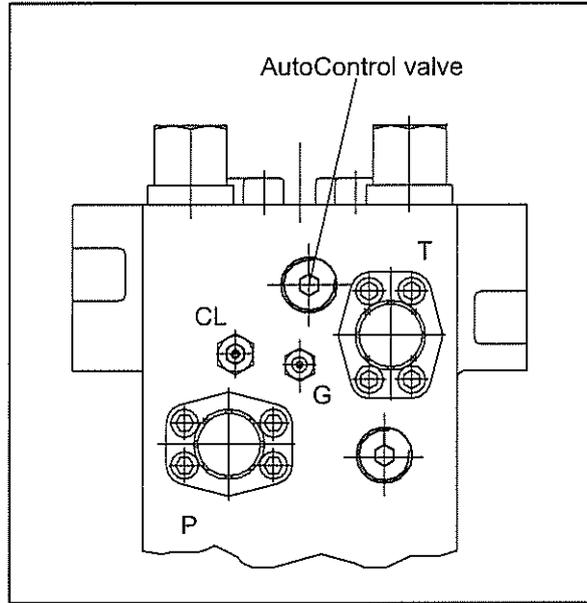
All hydraulic breakers of the MB series expect MB 750/MB 750 DP are equipped with AutoControl as standard.

The system adapts fully automatically to operating conditions, requiring no manual intervention on the part of the excavator driver.

For applications requiring high single blow energy, the breaker operates at full piston stroke and high percussive force.

and allows energy recovery of up to 30 % when working in hard rock.

The **switching valve** automatically reduces the stroke length to reduce the single blow force.



9.14.2 AutoControl for special requirements

For special requirements, e.g. where the emphasis is on low-vibration working, the AutoControl system can be blocked mechanically to the higher impact rate and reduced percussive force.

For further information on this subject please contact the Atlas Copco Customer Center / dealer in your region.

9.15 StartSelect - AutoStart/AutoStop (MB 1200/MB 1200 DP, MB 1500/MB 1500 DP, MB 1700/MB 1700 DP)

The hydraulic breakers MB 1200/MB 1200 DustProtector, MB 1500/MB 1500 DustProtector and MB 1700/MB 1700 DustProtector are supplied ex factory set to "AutoStart" mode, i.e. when they are switched on, the breakers start in operating position without the need for contact pressure to be applied.

The AutoControl system protects the breaker from damaging idle blows.

This setting provides greater productivity and simplifies handling in the following applications:

- secondary reduction of mined rock
- working with the breaker in horizontal and/or overhead position
- size reduction of light concrete structures

By making a reversible modification, the breaker can be set quickly to a different mode:

"AutoStop" (= Automatic shut-off)

Contact pressure needs to be applied before the breaker is started. During operation, the breaker shuts off automatically if the percussion piston no longer strikes the working tool. The breaker is thus protected against idle blows.

This operating mode is of advantage in the following applications:

- trenching
- bench levelling in the quarry
- excavating foundations in rock
- size reduction of heavy concrete structures

For more information on this modification, please refer to the spare parts lists of these models.