

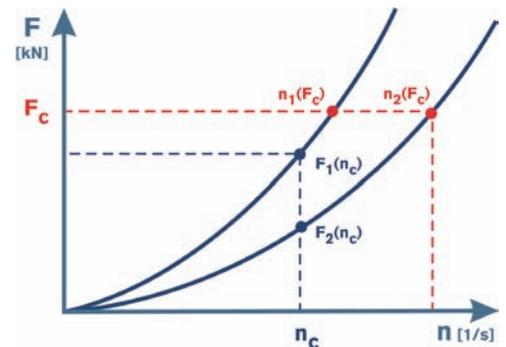
Brecon Vibrationstechnik GmbH, 50933 Köln, Germany

# Two Vibrators in one

The compaction of concrete in two steps accelerates the pouring of the concrete and the compaction process in certain applications. This is achieved through the specific use of different centrifugal forces and/or frequencies. For those applications typically the use of high frequency vibrators in combination with normal frequency vibrators is required. The Brecon 2in1-vibrator is capable of executing both processes with just one type of vibrator.



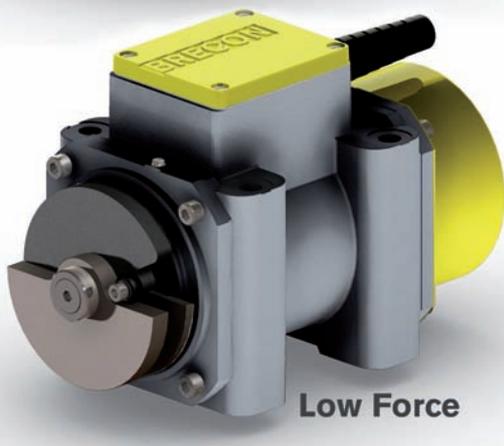
The two-step concrete compaction with Brecon 2in1 vibrators is advantageous at a high percentage of reinforcement.



Brecon 2in1-vibrators can be operated at two different characteristic curves



High Force



Low Force

Brecon 2in1-vibrators: the two different characteristic curves depend on the sense of rotation

In the wet cast-industry two-step compaction is required if the filling into forms with close-meshed reinforcement shall first be supported or accelerated by a vibration with high amplitude. After that the actual compaction takes place at high frequency to receive a high quality product regarding density and surface. Also good experience was made handling epoxyconcrete with such a two-step compaction process.

### 2in1-vibrator

The alternative to the use of two different types of vibrators is the Brecon 2in1-vibrator. Brecon 2in1-vibrators can operate on two different characteristics curves depending on the sense of rotation. That allows the generation of two different frequencies at constant speed or two different speeds at constant frequency. The desired mode can be selected by the frequency inverter.

Beside standard solutions Brecon configures specific 2in1-vibrators for customer requirements. Regarding the layout a close co-operation between producer and client is essential for the later result. With a specific computer application Brecon realizes nearly any 2in1-combination in shortest time.

Brecon 2in1-vibrators increase the functionality and reduce the costs of an installation

with two-step compaction. Brecon 2in1-vibrators are also provided in combination with the quick-release-vibrator Slim2.

The Slim2 in combination with the 2in1-vibrator offer increased mobility, eliminating possible confusion that the use of two different types of vibrators involves.

### FURTHER INFORMATION



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