

# Hydraulic Power Pack application

## Power Packs

High pressure, compact dimensions and low noise. The miniBOOSTER gives you everything you need. A Power Pack with a built-in miniBOOSTER can supply high flow and pressure of up to 3,000 bar. A Power Pack is a hydraulic power station independent of stationary hydraulic pumps, as everything needed for operation is integrated into one compact and portable unit. In general, it consists of an electrical motor driving a hydraulic pump, a control unit and the miniBOOSTER unit. The hydraulic pump is capable of delivering a pressure of up to 120-160 bar, which is not sufficient for most compact hydraulic tools. The miniBOOSTER intensifies this pressure up to as much as 3,000 bar, making it ideal for small handheld hydraulic tools. If combined with a petrol-driven generator, the Power Pack is not only independent of stationary hydraulic pumps, but also of electricity from power grids.



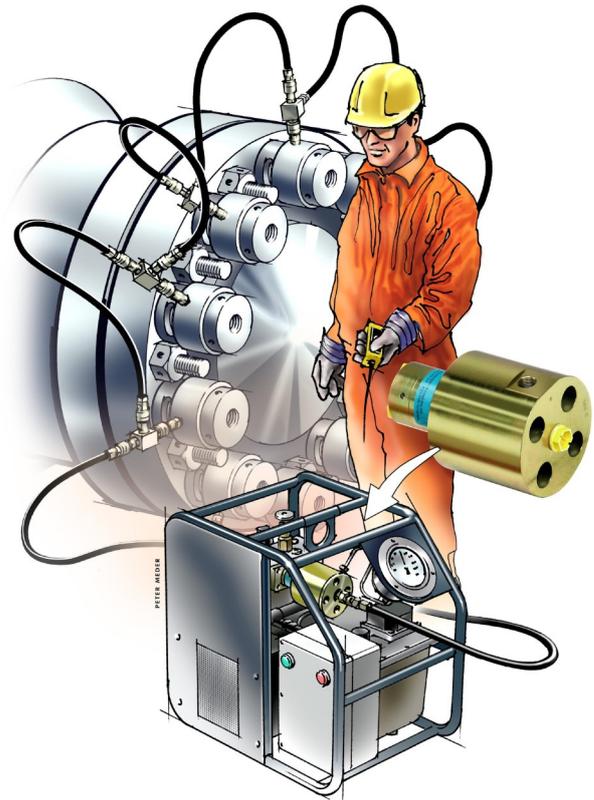
*A small and mobile Power Pack increases the tool options when working far from the engine.*

## Small and powerful

Small dimensions call for high pressure in order to get sufficient output power. The high hydraulic pressure from a miniBOOSTER is ideal for use in handheld tools and other relatively small tools, like bolt tensioners and torque wrenches. These tools come in handy when constructing machinery and structures in places like offshore oil and gas rigs, oil refineries, power plants and other heavy industries. Thanks to its small size, the miniBOOSTER can easily be fitted into every hydraulic Power Pack. A compact design means less weight, making the Power Packs more portable and handy in hard-to-reach places.

## Lots of possibilities

A Power Pack without a miniBOOSTER pressure intensifier can only operate low-pressure applications, but with a built-in miniBOOSTER it can also be used for high-pressure applications. This greatly expands the Power Pack's application, making the miniBOOSTER a great application for several industrial and mechanical branches. An example is machinery maintenance and repair, where powerful and small tools like nut splitters and bolt tensioners are needed. This also applies to branches like demolition and deconstruction businesses.



*A Power Pack is well protected in a sturdy cage, which has been designed with an option for insertion of a hook enabling it to be hoisted up where work is to be done.*

## Silent operation

A gear pump-driven Power Pack with a built-in miniBOOSTER is a light-weight yet powerful way of providing high hydraulic pressure for handheld tools. The gear pump is an affordable solution for Power Packs and has an additional advantage over traditional piston pumps: it's almost noise free. With a noise level as low as 64 dBA – the same level as a normal conversation between two people – it is ideal in places where the noise level must be kept low, like factories, where hydraulic tools are used for workholding or in laboratories' test stands etc. And not least, the low noise level is an advantage for the tool operator's well being.