

# miniBOOSTERs Hydraulic Intensifiers for the Rescue Industry

Solutions that cope  
with present and future  
demands in the rescue tools  
business

Generate **HIGH PRESSURE**  
from **LOW PRESSURE**  
systems



**MINIMUM SIZE – MAXIMUM POWER**

**What is a miniBOOSTER?**

miniBOOSTERS are oscillating pressure intensifiers that can be mounted on low-pressure hydraulic systems, like rescue vehicles. They will automatically intensify system pressure giving a higher outlet pressure. The mini-BOOSTERS come in a vast range of models each representing different functions for different environments.

**The Rescue Business is Special!**

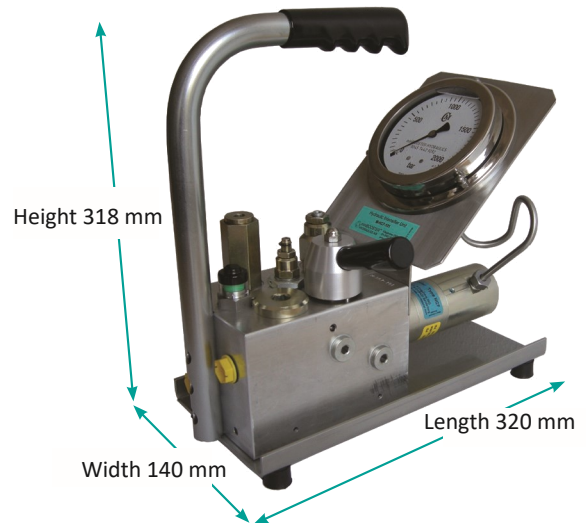
Demands in the rescue business are tough. Equipment must be easy to handle, robust, compact and fast-working. Time is always short and the consequences of low efficiency may be severe, which is why rescue workers must be able to work fast and with lightweight gear.

**700 bar High Pressure - Directly from your Vehicle**

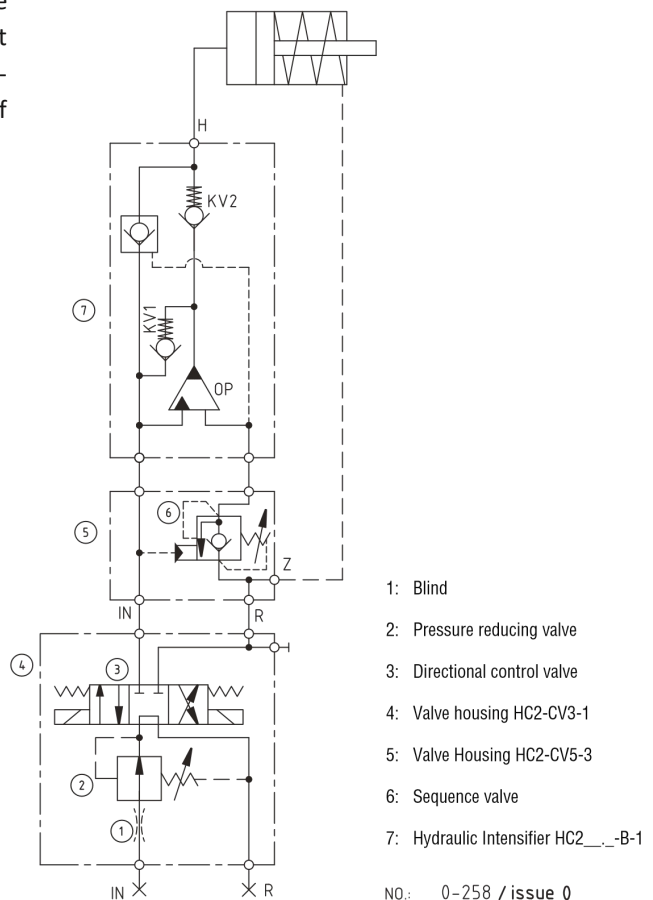
With help of miniBOOSTER hydraulic pressure intensifiers you can vastly improve the power capabilities for rescue tools on your rescue vehicle, and save space and speed up operation in the process. The **Power Take Off** can be boosted to 700 bar, providing a reliable, fast and quiet high-pressure source, eliminating the need for extra power packs. The rescue personnel will enjoy getting rid of hassle working with the heavy petrol-driven power packs.



Tools can be operated 40 meters away from Rescue truck with help of hoses.



With help of the M-HC7 intensifier system, you can use low pressure hoses and boost the pressure short before the tool.

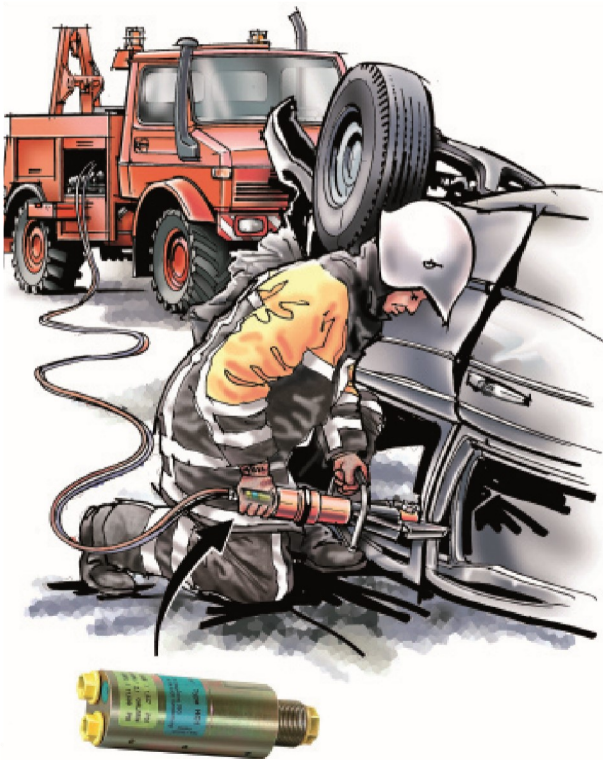


You can mount the intensifier on the vehicle using high pressure hoses.

### Next Generation Rescue Tools

By integrating the miniBOOSTER hydraulic intensifier in the rescue tool, you can increase the supplied low pressure to 700 bar or more and benefit from higher force on your tool and a slimmer tool body. Cutting through the next generation of safe cars, protected with composite-filled metal tubes will be a piece of cake.

- ▶ Rescue personnel will enjoy working with the super flexible, low-pressure hoses (< 200 bar), which additionally provide less risk of hose burst and potentially high-pressure oil injection injuries.
- ▶ No power packs. Less hassle carrying the heavy petrol-driven power pack to the place of accident.
- ▶ Almost noiseless rescue operations, creating less stress for the victims and for rescue personnel.



HC2-4-0-A-1 saves weight and space in the skylift.



HC2 can easily be installed on a vehicle and is capable of delivering flow to 2 tools.

## A Selection of our Product Range

For further information and data sheets please visit [www.minibooster.com](http://www.minibooster.com)

### The Compact - HC1

The HC1 is the most compact miniBOOSTER unit weighing only 0.7 kg. It is ideal for use in applications where it is desirable to mount the unit on or in a tool, power pack, or other device. The HC1 raises supplied pressure to a higher outlet pressure and automatically compensates for consumption of oil to maintain the high pressure. Adjustment of the outlet pressure is carried out by varying the supplied pressure. *Available in Stainless Steel HC1W.*

### The Standard - HC2

The HC2 is a compact unit weighing only 1.0 kg. It is ideal for use in a variety of applications where the building of and maintaining of high pressure are required. The HC2 raises supplied pressure to a higher outlet pressure and automatically compensates for consumption to maintain the high pressure. Adjustment of the outlet pressure is carried out by varying the supplied pressure. *Available in Stainless Steel HC2W.*

### The Double-acting - HC5

The HC5 is a double-acting miniBOOSTER incorporating two separate intensification circuits. Changing the position of the control valve, CV switches intensification from one circuit to another. It is ideal for use in applications where high pressure is required in separate activation steps such as double-acting cylinders, combination cutter spreader tools, etc. Like the HC2, the HC5 is a compact unit weighing only 3.0 kg.

