HYDROHAMMER® S-350

Application:
Hydrohammer® for steel piles
Piling free hanging in air and underwater

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Use Green Pin® Heavy duty (type P-6036) for Top Shackle
OPERATING DATA

Max. net energy  350 kJ
Min. net energy  39 kJ
Blow rate 20 Blows/min
At max. energy and recommended oil flow

WEIGHT

Ram  18 tons
Hammer (incl. ram, in air)  36 tons
Hammer (incl. ram, in salt water)  29 tons
(Only if fully submerged)

HYDRAULIC DATA

Operating pressure  330 bar
Max. pressure  350 bar
Max. oil flow  700 l/min
Power pack, back pressure valve setting  16 - 18 bar
Power pack, back pressure valve activated

GAS FILLING PRESSURE

Vertical pile driving only! Values will vary for:
- pile driving under different angles with the vertical,
- pile driving underwater depending on water depth.

Supply accumulator (Nitrogen)  180 - 190 bar
Return accumulator (Nitrogen):
- with activated back pressure valve*  13 - 17 bar
- without back pressure valve  4 - 6 bar
Cap (Nitrogen or Air)  20 - 22 bar

SAFETY SETTING

Cap  60 bar

HOSE CONNECTIONS

Oil supply 2” hose P (red)  M68x2 male
Oil return 2” hose R (blue)  M68x2 male
Nitrogen (Air) cap R ¾” M42x2 male

* NOTE
IHC IQIP recommends to use a back pressure in the return line of the hydraulic system circuit while pile driving.
In case a power pack does not have a back pressure valve installed, it is recommended to install one.