

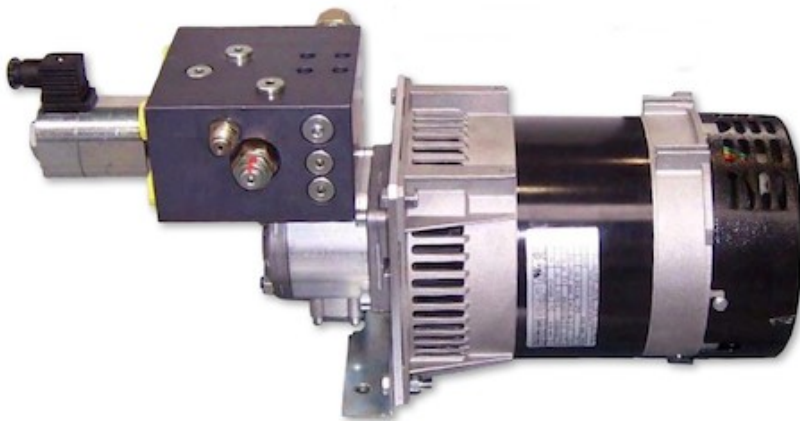
HG Hydraulic Generators

COMPACT, QUIET, SECURE AND RELIABLE POWER

We've been designing and manufacturing hydraulic generators for over 15 years supplying units world-wide for an extensive range of applications, scissor lifts, cherry pickers, booms, boats, barges, piling rigs, cranes, vehicles to name but a few.

Hydraulic generators are a compact, quiet, secure and reliable alternative to engine driven generators, requiring virtually no maintenance or servicing and in most instances costing less money.

If you have a hydraulic supply on your equipment chances are a hydraulic generator can be fitted!



Hydraulic Generators
for fixed displacement
hydraulic systems

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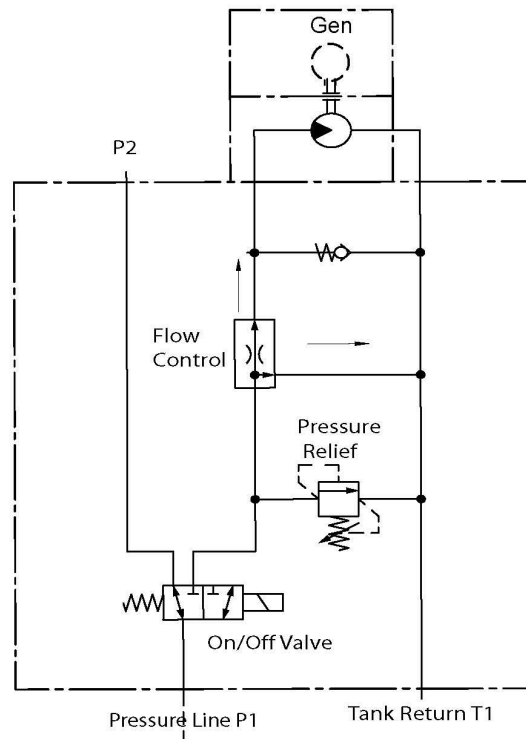
Hydraulic Generators Ltd
4 Gunnell Close
Kettering
Northants, NN15 7DJ, UK

Phone: 0203-286-7476

E-mail:

sales@hydraulicgenerators.co.uk

www.hydraulicgenerators.co.uk



The HG hydraulic generator is a purpose built onboard hydraulic generator solution, designed specifically for the integration into existing hydraulic circuits. The unit shown above is suited to an extensive range of construction machinery that operate with fixed displacement pumps.

The manifold incorporates all of the required valves to allow the generator to operate without the need for any other components. It incorporates a 12 or 24v diverter valve, pressure relief valve and a pressure compensated flow control valve as well as anti-cav.

To install simply connect your pressure line from your pump into P1, reconnect it back out of P2 and connect a tank return line. Then connect your DC supply to the coil and an on / off switch. Depending on the installation the diverter valve operates as either a simple on/off or when integrated into an existing circuit it will divert flow from all other functions to the hydraulic generator when energized, through the flow control valve to drive the generator with excess oil being returned to tank through T1. When the solenoid is de-energised flow passes directly into P1 and out of P2 which simply acts as a bypass to the functions.

The hydraulic system can be modified to work with a multitude of flow rates, the smallest hydraulic motor we can supply is a 4.5cc per rev, so we can still deliver up to 3kW of power with only 13.5 litres of flow, the maximum flow the hydraulic system can accept is 60 litres, which means that the same manifold with a 20cc per rev motor can deliver up to 12kW of power.

Units can be supplied in a range of outputs from 2–12 kVa, single or three phase, 50 and 60 Hz as well as a range of welder generators, DC generators and battery chargers.

The units are virtually maintenance free and come with a two year warranty on parts and labour