# HYDRAULIC Generators Ltd

# Call (44) 0330 229 4083

## HYDRAULIC GENERATOR

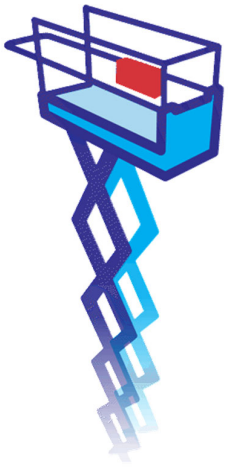
The HG Hydraulic Generator is quite possibly the only hydraulic generator designed specifically for installation on MEWP's. First designed over 20 years ago and still being supplied to customers across the world.

Designed for integration into both fixed and variable displacement hydraulic systems and available from 2.5 to 12kVa, 110v, 230v single phase, 50 and 60Hz together with three phase and welder generator options.

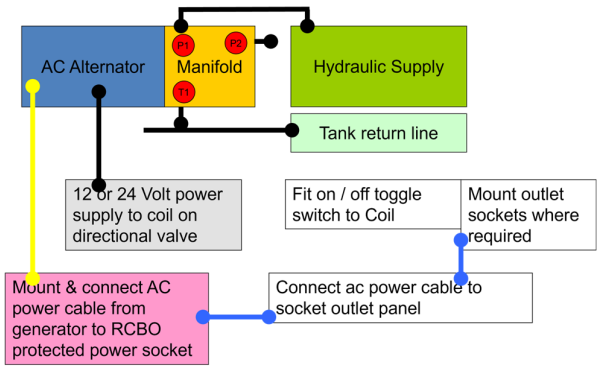
Our standard system incorporates all of the components to simply integrate the hydraulic generator into an existing hydraulic circuit.

3 Way 2 position directional valve, 12 or 24Vdc available, pressure compensated flow control, pressure relief and anti-cavitation.

There are 3 no. ½"BSP ports, P1 – Pressure in, P2 – Bypass, T – Tank.



## Installation of the HG Hydraulic Generator




P1 is the pressure line from your pump, P2 is open when the generator is not in operation allowing oil to flow to the normal functions, when the directional valve is energised oil will be fed to the hydraulic motor driving the generator, flow to the motor is regulated by the pressure compensated flow control valve thereby maintaining a constant and fixed flow to ensure that the generator operates within operational parameters at all times. The unit is protected by the integrated pressure relief valve and the anti-cavitation valve protects against cavitation damage.

Unlike most other hydraulic generator an oil cooler is not normally required the manifold and valves are designed to work with flow rates up to 60 litres per minute at 200 bar without causing excess heating of the fluid, although we have no control over the capacity of the tank or diameter of pipework used in the existing system which could generate heat in the fluid.


Manufactured in the UK by Hydraulic Generators Ltd
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Website – www.hydraulicgenerators.co.uk

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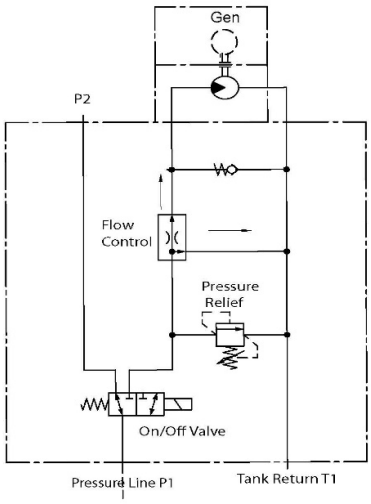
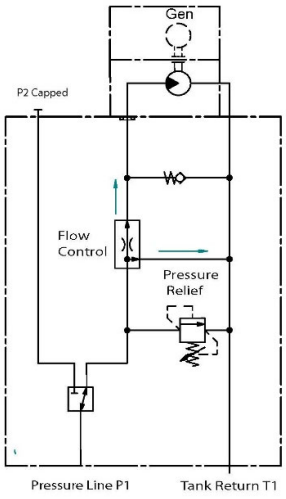



Diag 1.

Diag 2




Diag 3

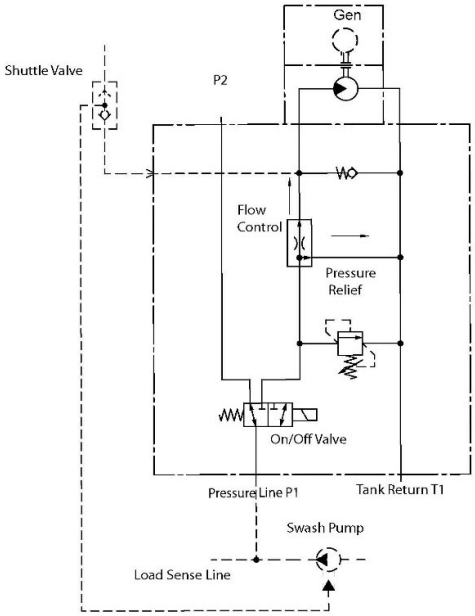



Diagram 1. Illustrates connection onto a fixed displacement pump with other functions required, Diagram 2. Is a simple on/off system from a fixed displacement pump and Diagram 3. Is for variable displacement pump.

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