

**In this month's Hydrafile:****Poclair Wheel/Steering Hydraulic Drive**

Poclair Hydraulics completes its range of hydraulic motors for steering wheels with its new MG02 motor. The compact and lightweight MG02 motor easily integrates into the chassis of industrial vehicles and shortens their turning radius thanks to its significant swivel angle. The MG02 motor thus offers manufacturers of construction and material handling machinery new design perspectives.

**Facilitated assembly**

The MG02 motor optimises the design of motorized steering wheels. The integration of the pivot function, steering attachments and bevel stops on the casing of the MG02 motor simplify the assembly of motorized steering wheels on a chassis.

**Savings in weight and dimensions**

Compared to a design that uses a mechanical steering axle, the steering wheels equipped with the MG02 motor offer machines a greater architectural flexibility and also provide savings in terms of weight and dimensions.

**Technical characteristics**

- \* Weight: 38.3 kg
- \* Maximum length: 303 mm
- \* Width: 270 mm
- \* Torque: 273N.m to 633 N.m
- \* Displacement: 86 cm<sup>3</sup>/tr to 398 cm<sup>3</sup>/tr
- \* Available with or without friction brakes
- \* Steering angle limited by stops
- \* Attachments present for the direct connection of steering cylinders
- \* Grease zerk present on pivots



[Click here](#) to download the full press release. To download the full MG02 technical catalogue [click here](#).

Contact HYSPECS for more information on the new Poclair MG02 steerable wheel motor by [emailing](#) or calling us using the numbers in the footer.

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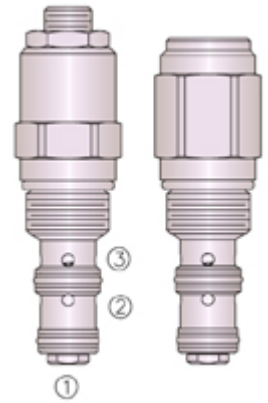
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## HydraForce Counterbalance CB10-30

HydraForce have released a new counterbalance valve, the CB10-30. Motion Control valves are used to provide smooth and accurate control of moving loads and to prevent over-running load conditions in many applications. These are sometimes referred to as over-centre or counterbalance valves.

The CB10-30 is designed to fit into a standard 10-3 cavity and is a low leakage, poppet-style control valve designed to restrict flow from port 2 to port 3 in relation to the pilot signal supplied at port 1. Additionally this valve provides reverse free flow and thermal relief protection at port 2. If the load threatens to run ahead of the pump the poppet will close preventing a runaway load.

[Click here](#) to download the full technical bulletin on the new CB10-30.



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## Staff News

They say there's a baby boom happening in NZ at the moment and that sure seems to be the case at HYSPECS. Personally my wife Jenny has recently given birth to our second daughter Lucy, I have never been so tired. Big congratulations to Guiomar our New Plymouth Sales Engineer as she is pregnant and due late May. Our Projects Engineer, Craig Kemp is also into being permanently tired and has his wife expecting any day now. Maybe there's something in the oil that we don't know about?

[Click here](#) to read our Staff Profiles page on the HYSPECS website.

I hope you all had a fantastic break and managed to do some fishing, reading, swimming, BBQing or whatever it is you like to do on your holidays. Its back to work for most, but of course Summers still here and I will definitely be getting more Snapper before it's over.

Regards

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