

# Standard hydraulic reservoirs with 123 litres of usable volume

R + L Hydraulics GmbH, formerly Raja-Lovejoy GmbH, now offers its largest standard cast aluminium reservoir yet, with a usable volume of 123 litres. The new hydraulic reservoir is exceptionally lightweight and easy to handle, and in many applications has rendered the use of an oil cooler obsolete. In the United Kingdom, the new reservoirs from R + L Hydraulics are available from JBJ Techniques.

After changing its name from Raja-Lovejoy to R + L Hydraulics, the German hydraulic accessories specialist has unveiled a surprise with its introduction of the largest standard cast aluminium hydraulic reservoirs currently available on the market. This model is the latest addition to the well-known line of aluminium reservoirs from R + L Hydraulics with nominal sizes from 3.5 to 70, and is designed to offer users the attractive advantages of this long-anticipated larger size. Besides its light weight of just 25 kilograms, the new NG 130 aluminium reservoir is constructed with deliberately thin walls to provide an 'inherent' cooling capacity of 2.1 kW for  $t = 40\text{degC}$ . This means that in many applications it is no longer necessary to use an oil cooler. Among its other advantages, the NG 130 is stackable, it can accommodate baffles, it is unpainted

and easy to handle, and it has an excellent price-performance ratio.

"We draw on our long experience in developing aluminium products for the hydraulics industry and close ties with our customers as the basis for product developments that set new standards," commented Lothar Gädtke, managing director of R + L Hydraulics. "The new NG 130 is our response to this requirement. Besides extending our standard product line in aluminium reservoirs from

nominal sizes NG 3.5 to NG 130, we also offer special reservoirs built to customer specifications in aluminium and steel."

R + L Hydraulics manufactures and markets oil reservoirs and an extensive range of accessories, a wide selection of heat exchangers and oil-air coolers, bell housings with and without shock absorbers, couplings for drive and fluid technology, and sintered metal products

[www.jbj.co.uk](http://www.jbj.co.uk)



The new NG 130 standard cast aluminium hydraulic reservoir with a usable volume of 123 litres is a welcome addition to the hydraulic reservoir product line from R+L Hydraulics.

## Energy saving Daikin hybrid products launched

Micron Hydraulics, as representative of the Daikin hydraulic products range in the UK, has introduced a new generation of hybrid products. The EcoRich and the EcoRichR hybrid power units are designed for the machine tool and similar environments where continuous running is required and are currently favoured by Asian manufacturers. The features of these units include: a compact design, energy saving of up to 50 per cent for the EcoRich and an additional 20 per cent for the EcoRichR, high speed response and high torque and efficiency.

The Superunit is aimed at injection moulding and the general industrial sector.

The features of these units include: energy saving of up to 50 per cent, an integral controller providing from four to sixteen pressure/flow rate setting patterns, all with full ramp in/out control, are available for system operation, low noise level, Superunit and main machine can be remotely controlled with the same panel and reduces shock when the flow rate or pressure is changed.

Efficiency savings are achieved by reducing motor speed, and therefore pump displacement, while still maintaining

system pressure, instead of running the motor at full speed with the pump displacement reduced under stall conditions. The electric motor can respond from as low as 300 rpm up to maximum speed of 2950 rpm in approximately 0.2 seconds, dependent on actual operating conditions.

### Intelligent Coolant Pump

The Intelligent Coolant Pump is aimed at large manufacturers especially in the automobile and automobile parts sectors. As coolant pumps normally occupy half the power consumption of a machine, any saving in power consumption is extremely beneficial. Generally, coolant systems use valves to adjust the quantity of coolant while the pump and motor are running at full displacement, and therefore maximum designed power. This power input is reduced by controlling the pump rotating speed to supply only the optimum amount of coolant with resultant energy savings of up to 40 per cent. There is also an Intelligent High Pressure Coolant Pump available if required.

[www.micron-hydraulics.co.uk](http://www.micron-hydraulics.co.uk)