

GEAR PUMPS

K series. The standard pressure balanced gear pump for cost effective solutions. Also available as a double pump with or without HI-LO circuit integrated within the pump itself.



G series. The lightweight, pressure balanced, low noise and high efficiency pump specifically designed for mini power packs.



H series. It features an oversized shaft and a higher number of teeth for high pressure applications and lower pressure pulsation, up to 280 bar peak.



R series. Bidirectional pumps with integrated suction check valves and two front outlet ports. Choose UR type central manifold.



S series. Helicoidal gears for extremely low noise, low pulsations and high pressure.

Q & A

Why are pressure balanced gear pumps better than fixed clearance gear pumps used by many competitors?

Pressure balanced gear pumps are built with lateral pressure plates which reduce the mechanical clearance on the gears with the increase of the pressure on the outlet, thus greatly improving the volumetric efficiency, reducing energy consumption. This means more flow at high pressure without heat generation. The mechanical efficiency is kept at an optimal level too.

How can we mount both group 0 and group 1 pumps on the same Universal central manifold?

The group 1 pumps fit directly on the central manifold and are fixed by two bolts provided with the pump. The group 0 pumps are fitted by the adaptor plate E60513025, which adapts the gr.0 pump front flange to the central manifold.

Why do the pump technical specifications show three maximum pressure levels?

Our pumps have three ratings for the maximum allowable pressure: 1-Peak: it can be allowed for maximum 2 seconds. 2-Intermittent: it can be applied on the pump for maximum 20 seconds; 3-Continuous: it can be applied to the pump at all times.