

GAS HYDRAULIC SUSPENSION SYSTEM

# Hydrop H5



Combat vehicle Patria AMV-XP,  
Courtesy of Patria, Finland.



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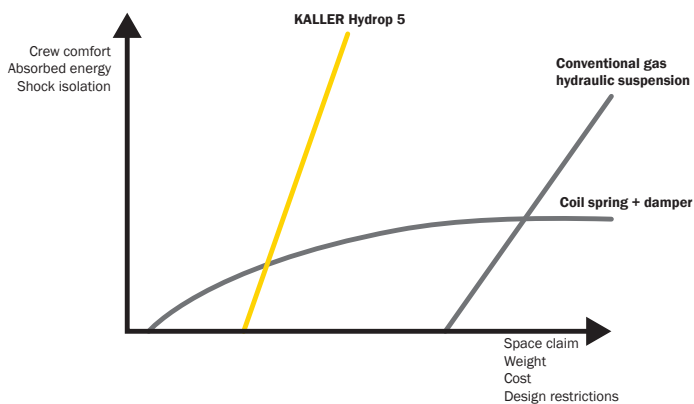
KALLER Hydrop is the ultimate gas hydraulic suspension system for heavy duty military vehicles. The KALLER Hydrop generate a much larger force and longer stroke in relation to size and weight compared to mechanical springs. Improve ride quality with superior performance and flexibility to various terrains and vehicle configurations with the hydropneumatic suspension system provided by the KALLER Hydrop.

## WHY HYDROP?

- Smaller and lighter than conventional suspension systems.
- One solution for the whole vehicle, the same hydrop can be implemented on all wheels thanks to its adaptable gas pressures.
- Providing suspension and damping in one unit.
- Gas can store energy more efficiently than steel.
- The Hydrop has a long stroke length which provides better mobility.



## HYDROP VS COIL SPRING



## WHY KALLER HYDROP?

- Safety is the key. In a military vehicle safety is the number one priority.
- Tested and verified for over 10 years.
- Certified according to ISO 9001, ISO 14001 & AQAP 2110.
- Tested against MIL-STD-810G, MIL-STD 882C, DEF STAN 00-250, DEF STAN 00-35, DEF STAN 00-56, STANAG 2895.
- Based on a modular solution for simplified repair, or replacement. Does not require any software integration.
- Offers a wide variety of mechanical interface options.
- Proven gas sealing technology.
- Provides reduced vibration and shock levels for better performance and crew comfort.
- All in-house development, production & assembly.
- Fast, efficient and future proof.

## TRUSTED BY

Patria and KALLER started collaborating over a decade ago. This collaboration has resulted in vehicle performance and mobility that is one of the best on the market. The foremost factor contributing to this success is the hydro-pneumatic performance delivered by KALLER. We are proud of this collaboration and look forward to continuing this partnership for many years to come.