

# INTRODUCING THE EHPR G3 SERIES

HydraForce launched their next generation cartridge valves with the EHPR98 G3 series.

Designed and developed in 2012, these new generation drop-in style valves have evolved based on the practical experience HydraForce gained from its first and second generation valves, combined with the use of theoretical modeling tools (including Finite Element Analysis (FEA), Computational Fluid Dynamics (CFD) and magnetic modeling). These powerful tools enabled HydraForce to optimize the magnetic efficiency of the G3 valves, focusing on actuator size and forces while keeping the valves compact and robust.

With HydraForce's first generation created in 1998, and second generation introduced in 2005; these new G3 valves provide control solutions for the powertrain, diesel engine, pilot and directional control markets.

Driven by Applications, several features of the G3 valves came in response to customer requests. The EHPR G3 series include three flow ranges. The first (4- 6 lpm (1-1.5 gpm)) and second (10.1 lpm (2.6 gpm)) can be used for piloting applications; whilst the second flow range which reaches up to 23 lpm (6 gpm) is for use on direct-acting applications.



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**JEM Technical**  
550 N. Old Crystal Bay Road  
Orono, MN 55356  
p: 888.256.8266  
info@jemtechnical.com



**JEM Technical**  
60 De Baets Street  
Winnipeg, MD R2J359 Canada  
p: 204.654.1743  
info.ca@jemtechnical.com



**CONTACT JEM Technical**  
**The Fluid Power &**  
**Motion Control Experts.**

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