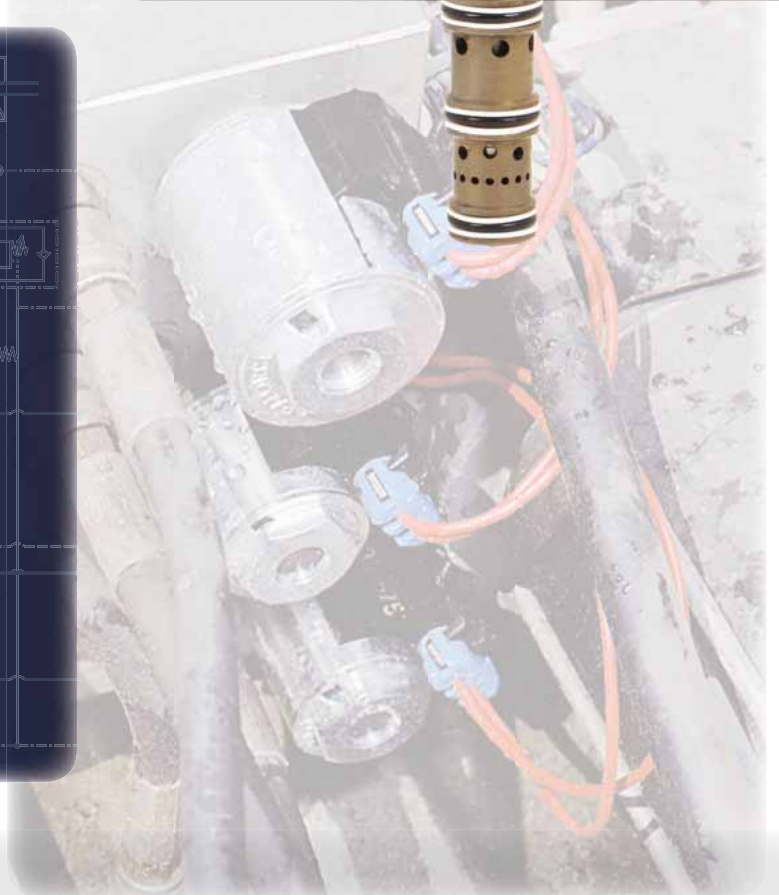
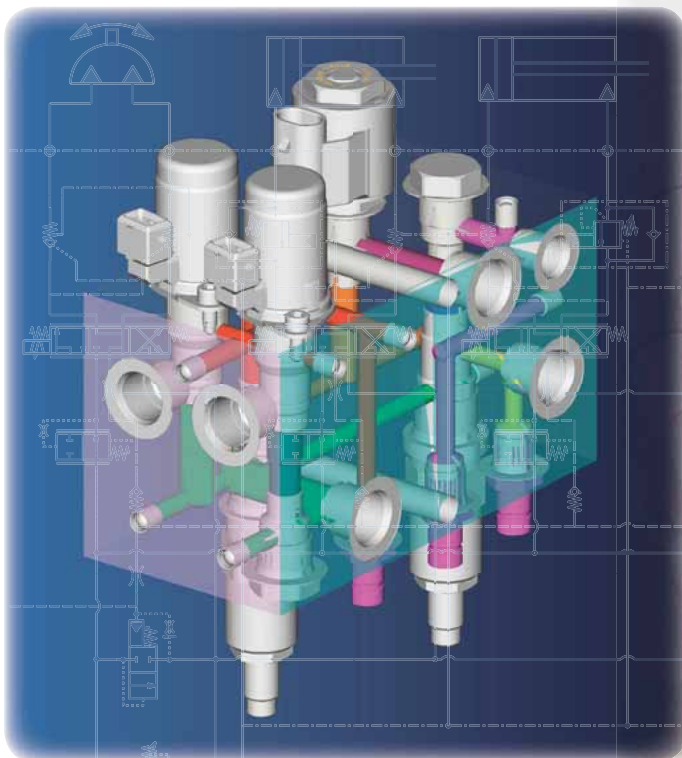


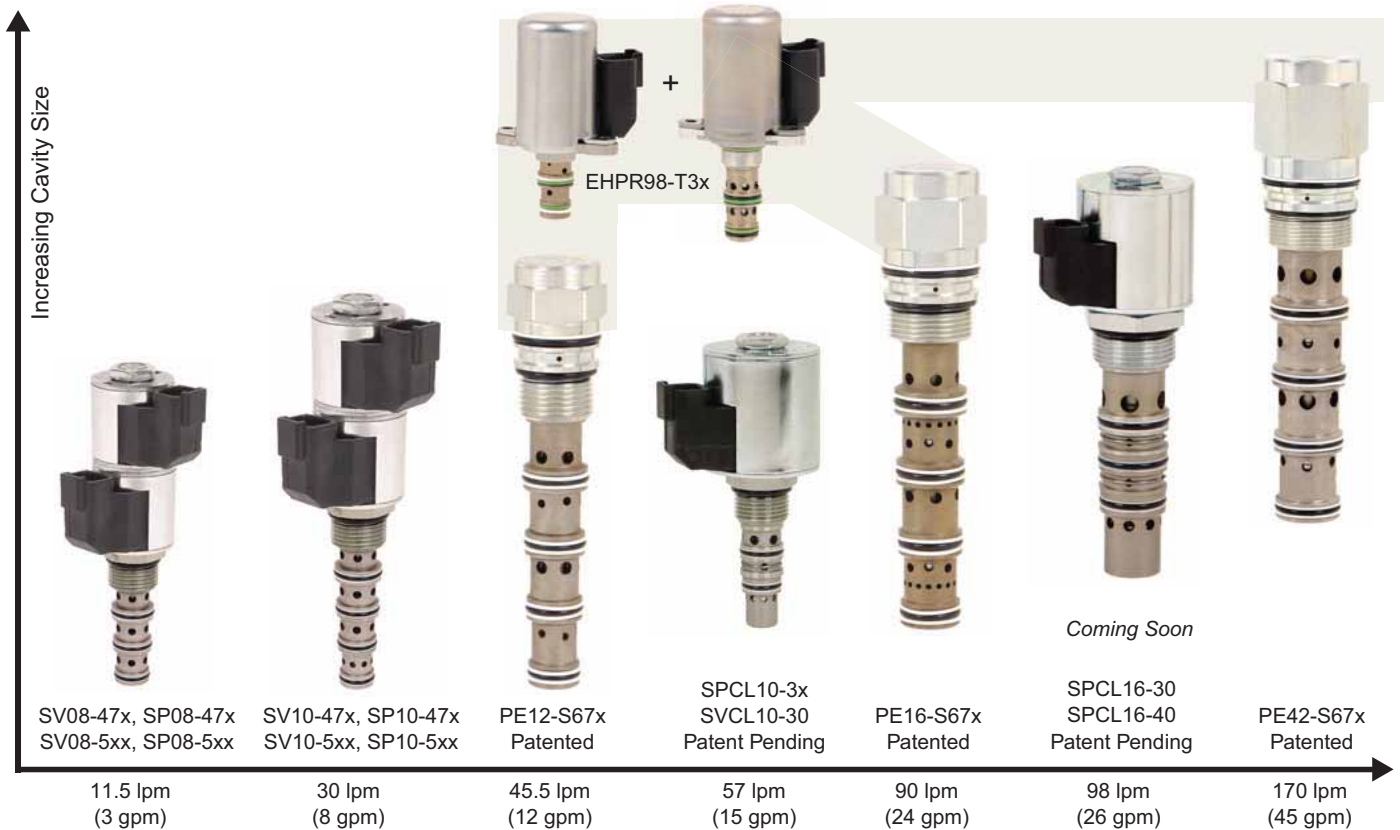


HYDRAFORCE

Directional Control Solutions

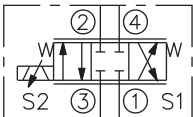


Hydraulic Cartridge Valves
Manifold Systems
Electronic Controls

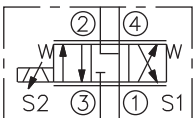


Electro-Proportional or On/Off, 4-Way, 3-Position

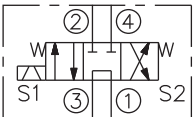
Closed Center
SPxx-47C, SVxx-47C



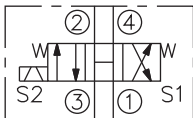
"Motor Spool"
SPxx-47D, SVxx-47D



Tandem Center
SVxx-47A

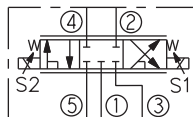


Open Center
SVxx-47B

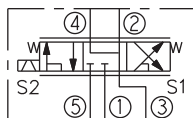


Electro-Proportional or On/Off, 5-Way, 3-Position

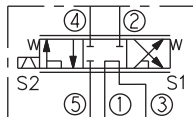
Load Sense
SP10-57C, SV10-57C



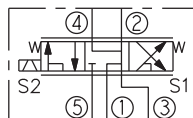
Load Sense
SPxx-57D, SV10-57D



Brake Release
SP10-58C, SVxx-58C

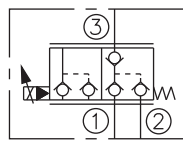


Brake Release
SPxx-58D, SVxx-58D

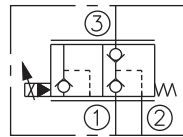


Electro-Proportional Directional, Normally Closed, with Checks

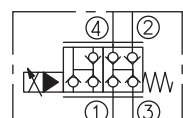
Check-Isolated Load Sense
SPCL10-30
SPCL16-30 *Coming Soon*



Non-Isolated Load Sense
SPCL10-32

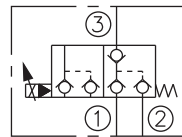


Check-Isolated Load Sense
SPCL16-40 *Coming Soon*



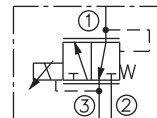
Solenoid-Operated On/Off Directional with Checks

Normally Closed w/Check-Isolated Load Sense
SVCL10-30

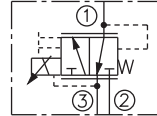


Electro-Proportional Pressure Control, Reducing/Relieving, Direct-Operated

EHPR08-33 (Screw-In)
EHPR98-T33 (Drop-In)

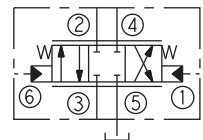


EHPR98-T35 (Drop-In)
EHPR98-T38 (Drop-In)

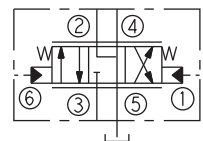


Pilot-Operated Proportional

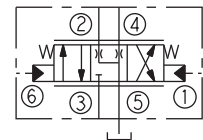
PExx-S67C



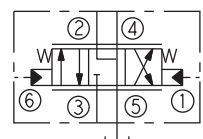
Meter-In and Meter-Out
PExx-S67D



PExx-S67H



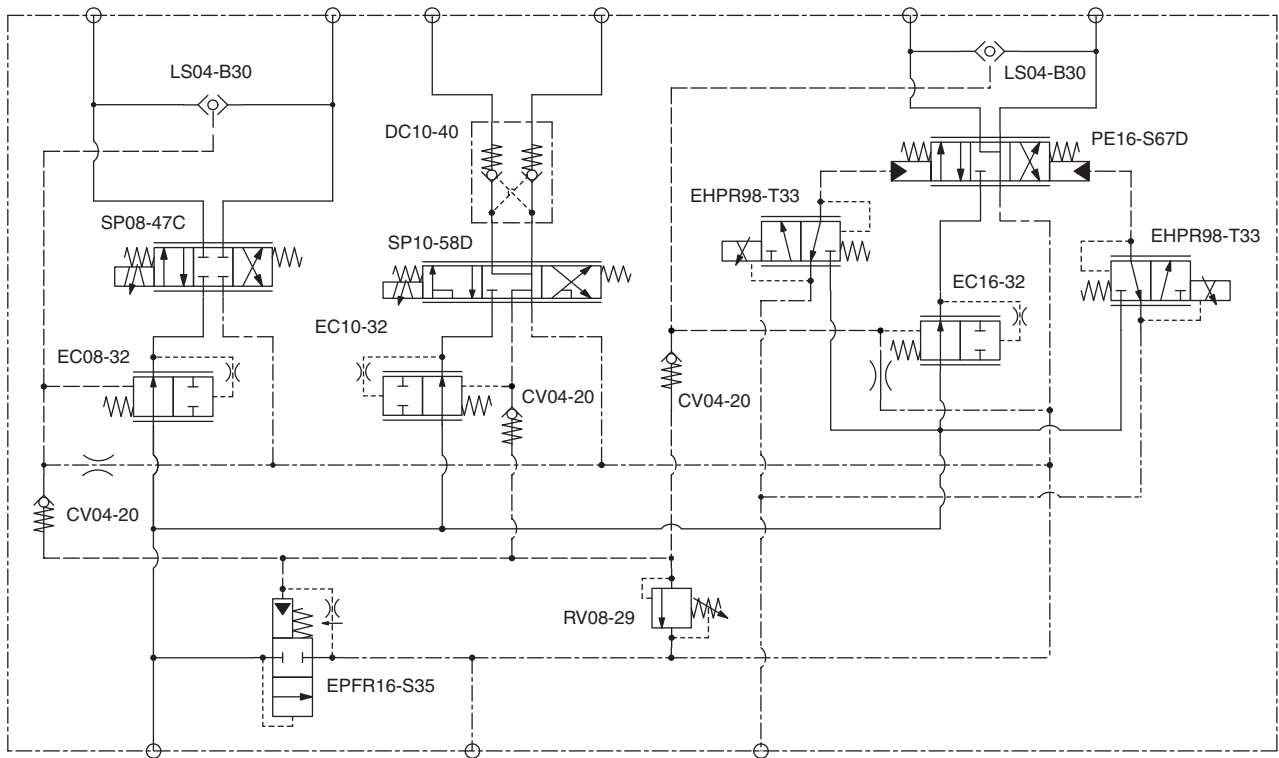
Meter-In Only
PExx-S67K



Note: Models SV08-47E and SV10-47F also available.

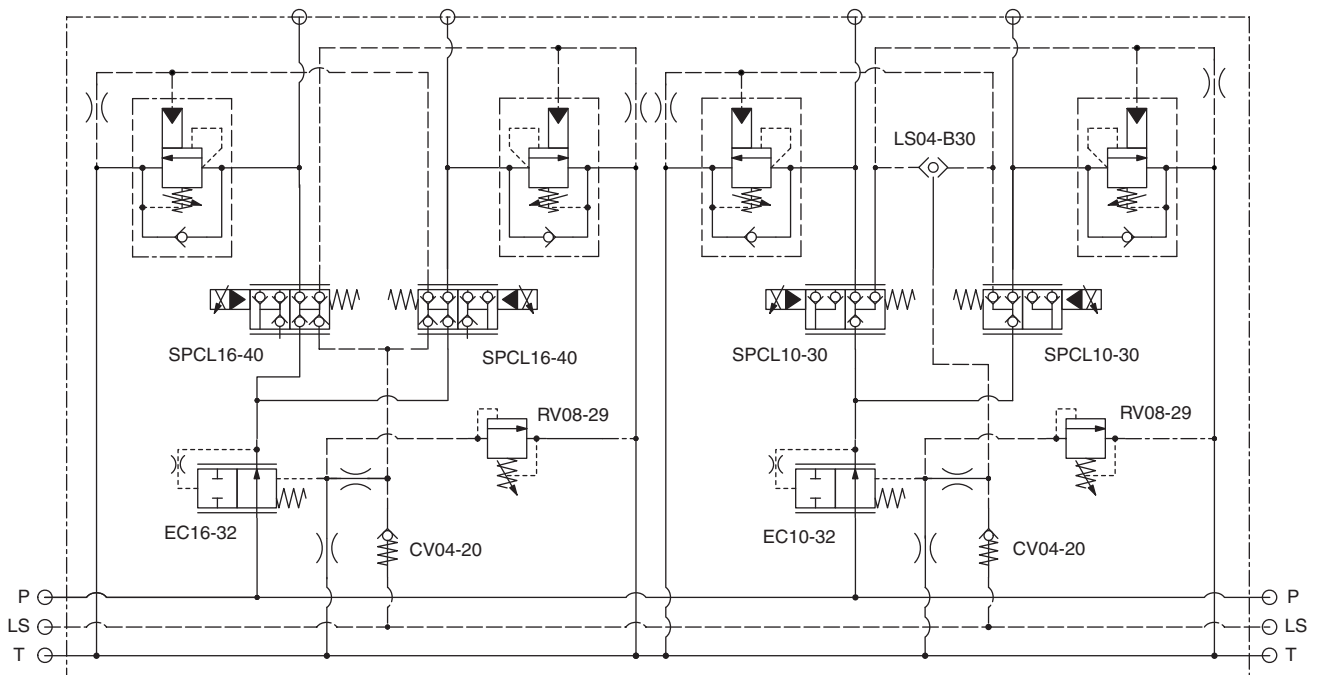
MULTI-FUNCTION DIRECTIONAL CONTROL

HydraForce 4-way and 5-way, solenoid, proportional and directional cartridges are available in a range of flow sizes, and can be configured to enable smooth, simultaneous multi-function operation with individual circuit pre-compensation.



DIRECTIONAL BRIDGE CIRCUIT

Load-holding bridge circuits provide the advantage of independent meter-in and meter-out timing with integral load sensing and pilot signaling, with minimal leakage. Circuit complexity, size and cost are minimized by using multi-function cartridge valves.



HYDRAFORCE

HydraForce is the world's leading manufacturer and supplier of cartridge valve technology, electro-hydraulic controls and integrated circuit manifolds. HydraForce products are supported around the world through international technical services offices, and through a global network of distributor partners.



Main headquarters, engineering and manufacturing facility in Lincolnshire Illinois, just north of Chicago.



Precision machining facility in Lincolnshire, Illinois.



European headquarters, engineering and manufacturing facility in Birmingham, England.



HYDRAFORCE

High Performance Hydraulic Cartridge Valves
and Electro-Hydraulic Control Systems

HYDRAFORCE INC

500 Barclay Blvd.
Lincolnshire, IL 60069
Phone: 847 793 2300
Fax: 847 793 0086

Member: National Fluid Power Assoc.
ISO 9001

HYDRAFORCE HYDRAULICS LTD

St. Stephens Street
Birmingham B6 4RG England
Phone: 0121 333 1800
Fax: 0121 333 1810

Member: British Fluid Power Assoc.
ISO 9001 & ISO 14001

HYDRAFORCE CHINA LLC

Shanghai Representative
Office Unit 606, B&W Tower
No. 28 Xuanhua Rd
Shanghai, 200050, China
Tel: +86 21 3250 6508, 3250 6509
Fax: +86 21 3250 6510
Email: khuang@hydraforce.com

HYDRAFORCE KOREA LLC

#306, Mirim Plaza
1132-1, Jungdong, Wonnigmu,
Bucheon, Kyunggido, Korea
Tel: +82 32 328 2170
Fax: +82 32 328 2172
Email: jong-seongl@hydraforce.com

HYDRAFORCE HYDRAULICS - INDIA

Vatika Business Centre
Suite No. 22, Level 5, C Wing
Techpark One, Airport Road
Yerwada, Pune 411006
Maharashtra, India
Tel: +91 020 40111304
Fax: +91 020 40111105
Email: bharatb@hydraforce.com



HydraForce valves meet RoHS environmental requirements restricting the use of cadmium, quick silver, lead hexavalent chrome, polybrominated biphenyl (PPB) or polybrominated diphenyl Ester (PPDE) in products, components and packing materials. All HydraForce products meet requirements limiting the use of hazardous materials as identified in OSHA Standard 1910.1200(g).

Disclaimer: Nothing in this document constitutes an implied warranty of merchantability, or of fitness for a particular purpose. The information contained in this document is provided for technical illustration purposes only and may not be used as a statement of suitability for use in any particular application. Each application is unique and prospective purchasers should conduct their own tests and studies to determine the fitness of HydraForce's products for their particular purposes and specific applications.