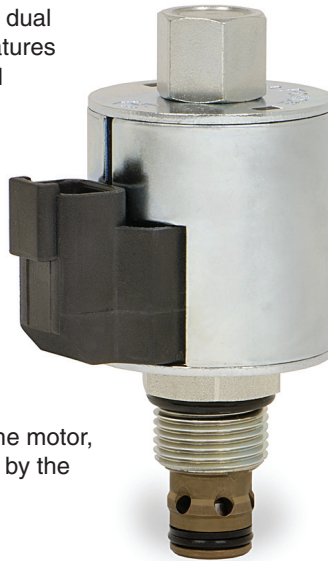


••••• **INNOVATION AT WORK FOR YOU** •••••

NEW Dual-Function Solenoid Valves for both Bypass Unloading and Pressure Relief

HydraForce **SVRV10-26** and **SVRV12-26F** dual function cartridge valves combine the features of normally-open solenoid valves with integral relief valves. They are designed to be both cost-efficient and compact in hydraulic circuits incorporating both a bypass unloading function, as well as system pressure protection.

These valves can be used in a wide variety of system applications. An example motor control circuit is shown below. In the de-energized position, pump flow is bypassed to the tank, allowing the motors to remain in the neutral condition. When the SVRV valve is energized, flow is directed to the motor, while the maximum motor torque is regulated by the setting of the SVRV's integral relief valve.

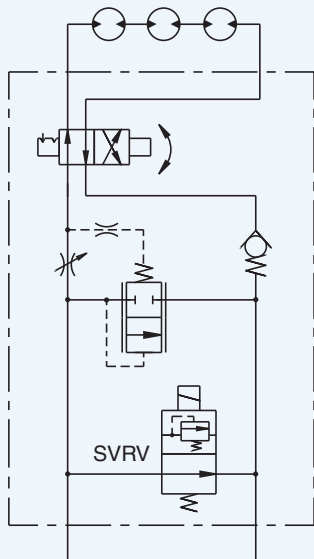


The **SVRV10-26** relief setting is fixed and non-adjustable while there are five standard pressure setting options, ranging from 104 bar (1500 psi) to 240 bar (3500 psi). The **SVRV12-26F** can be set within the range of 20.7 bar (300 psi) to 297 bar (4300 psi). Other settings can be made available upon OEM request. Maximum operating pressure for both valves is 297 bar (4300 psi).

Flow ratings are up to 75 lpm (20 gpm) for the 10-size, and 189 lpm (50 gpm) for the 12-size valve. Both valves use standard HydraForce 10-size "D" or "E" Series coils.

The new SVRV multi-function valves were developed to allow smaller and lighter valve packages, while simultaneously reducing the cost of both manifold machining and assembly by combining two functions into a single valve.

Typical Motor Control Application:



Features	Benefits
Multi-function solenoid unloading and relief valves.	Dual functionality allows lower cost, smaller packaging and lighter weight.
Industry standard cavity sizes.	Easy manifold machining using standard tooling, programming and set-up configurations.
Factory pre-set relief valve settings.	Prevents unauthorized field-tampering while allowing use in a variety of applications.
Uses standard "D" Series or "E" Series 10-size coils with integral connectors.	Low cost, easy installation, and reliability even in severe duty applications, using HydraForce environmentally sealed and tested coils.
HydraForce valves are qualified for 1 million cycles at maximum rated flow and pressure. In addition all production valves are 100% functionally tested prior to shipment.	Long-life, reliable operation in mobile machinery application conditions.
5-year limited warranty (See full warranty statement in the catalog).	Confidence, with the backing of the industry's leading manufacturer of hydraulic cartridge valves.

HydraForce is committed to continuing innovation in the design, manufacture, and application of hydraulic and electro-hydraulic control components and systems for the material handling and heavy-duty mobile equipment OEM industries.

For detailed information and specifications please see www.hydraforce.com or contact your HydraForce representative.

HYDRAFORCE, INC.

500 Barclay Blvd. • Lincolnshire, IL 60069 USA
 Ph: 847 793 2300 • Fx: 847 793 0086
 Web: www.hydraforce.com • E-Mail: sales@hydraforce.com
 ISO 9001 & QS 9000 • Member: National Fluid Power Assn.

HYDRAFORCE HYDRAULICS, LTD.

St. Stephens Street • Birmingham B6 4RG England
 Ph: 0121 333 1800 • Fx: 0121 333 1810
 Web: www.hydraforce.com • E-Mail: sales@hydraforce.com
 ISO 9001 & ISO 14001 • Member: British Fluid Power Assn.