

ecoline™



ENERGEN™

high efficiency check valve

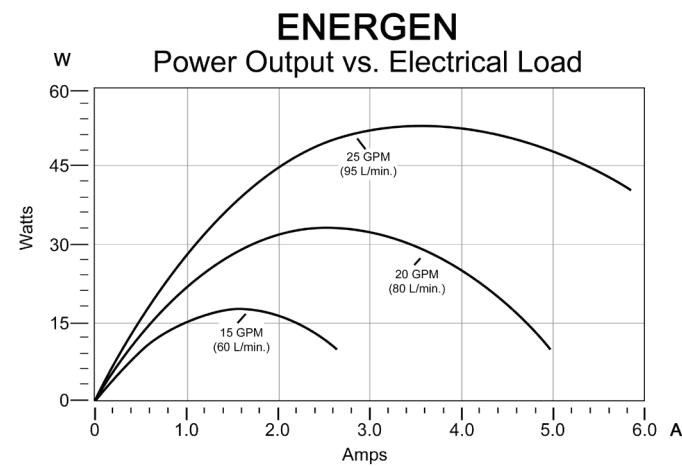
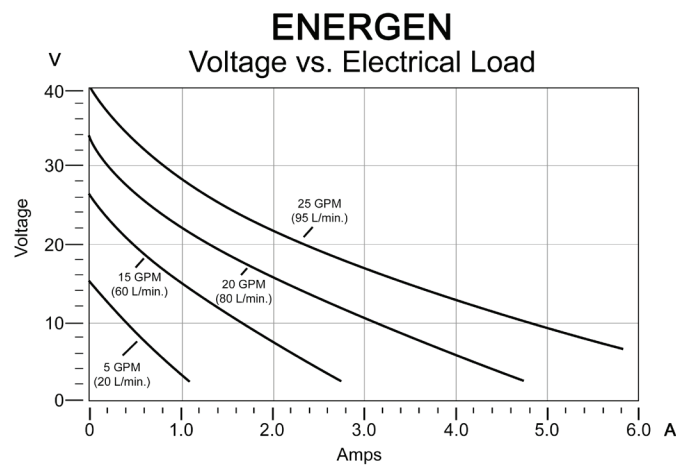
create +
recover energy

sun hydraulics®
A HELIOS COMPANY

EENERGEN™

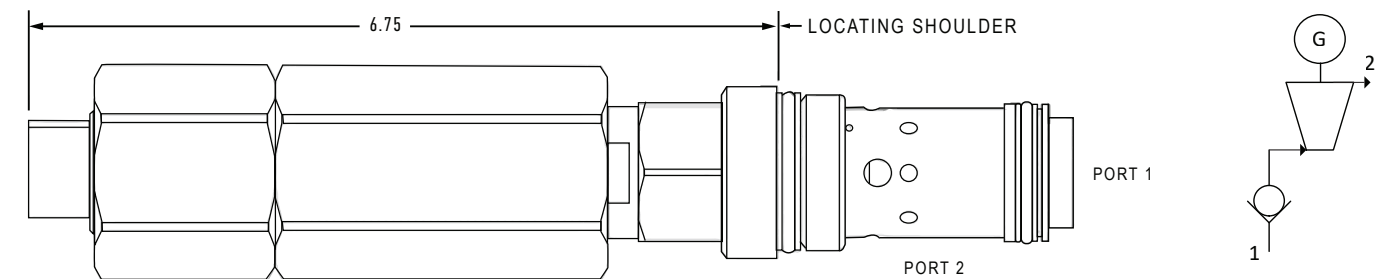
CREATE + RECOVER ENERGY all in one check valve!

Energen™ is the new, high efficiency check valve that allows free flow from inlet to outlet and blocks flow in the opposite direction. Composed of an integrated generator that converts power losses into useful energy, Energen™ delivers a robust approach to energy harvesting and check valve functionality.



Energen™ Benefits & Features

- Converts parasitic hydraulic losses into recovered electrical energy
- Power generation in cartridge valves for sensors, solenoid valves, and other electronics
- Generates power for attachments or implements where the harness can be damaged improving reliability and safety

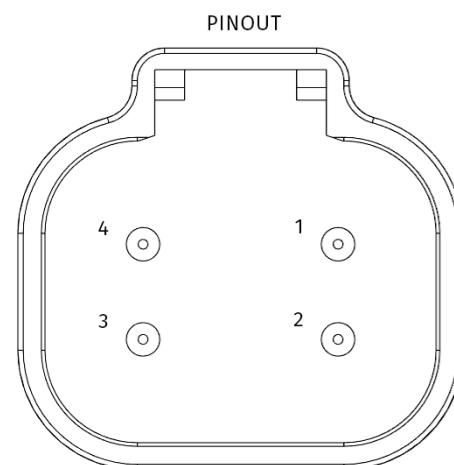
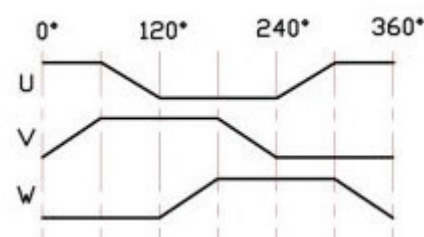


Energen™ Technical Data

Cavity	T-16A
Check Setting	200 PSI (14 bar)
Rated Flow	25 GPM (95 L/min.)
Rated Pressure (Port 1 and Port 2)	5000 PSI (350 bar)
Power Output @ Rated Flow	50 W Max. @ 3.5 A Load
Output Voltage @ Rated Flow	40 V Max. @ 0 A Load
Connector	4-Pin Deutsch (3 Phase AC output) external controller / rectification
Seal Options	Buna-N, Viton, EPDM
Leakage	10 drops/min (load-holding) (0,7 cc/min.)
Plating	Zinc-Nickel
Pre-production data is subject to change. Accepting orders soon.	

Electrical Pinout

Number	1	2	3	4
Pin Function	U Phase	V Phase	W Phase	Unused




about ecoline™

As a leading manufacturer of high-performance cartridge valves and integrated packages, Sun Hydraulics has gathered a collection of innovative solutions proven to significantly boost and improve energy efficiency, reduce fuel consumption, and ultimately provide cost savings for the end user.

Sun's new ecoline™ program is comprised of popular products such as the LoadMatch™ cartridge valve, LoadAdaptive™, Series 4 PLUS cartridges, T-18AU & T-19 AU cavities, Sun Cavity & QuickDesign™, Energen and the latest ecofriendly addition, the eSense™ solution. Contact us to learn more about ecoline™ and how these products can optimize the efficiency of your application.



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