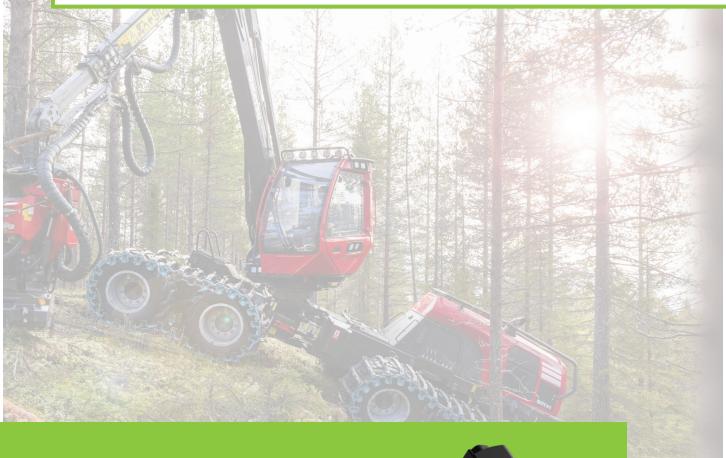
# ecoline



**ENERGEN™**generate +
recover energy

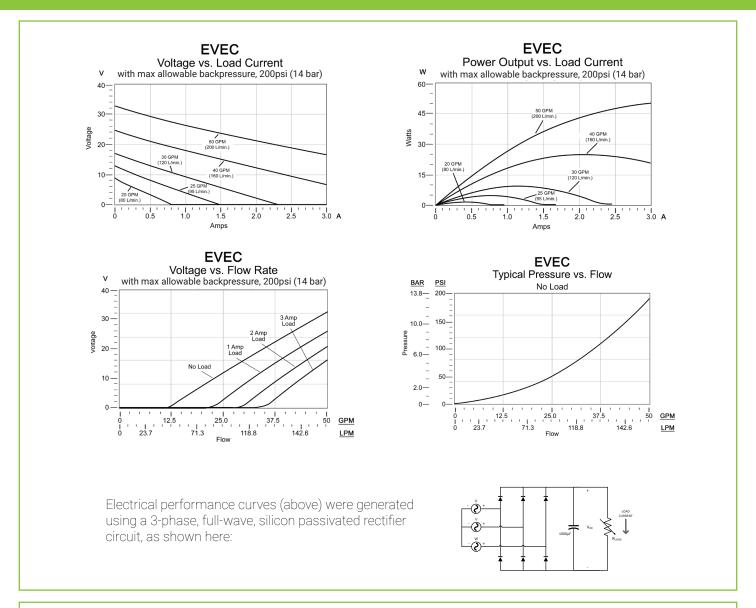






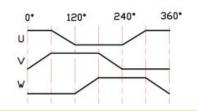
#### **GENERATE + RECOVER ENERGY**

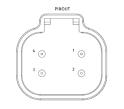
Energen<sup>™</sup> is the new, energy harvestor cartridge valve designed to convert hydraulic power from your application into electrical power. Composed of an integrated generator, Energen<sup>™</sup> delivers a robust approach to local and remote electrical power generation.



#### **Electrical Pinout**

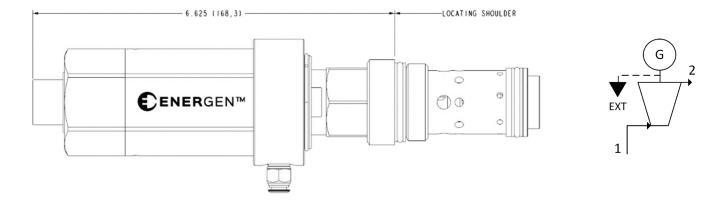
Number	1	2	3	4
Pin Function	U Phase	V Phase	W Phase	Unused





### **Energen™ Benefits & Features**

- 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 (Series)	T-16A (Series 3)			
Maximum Operating Pressure Port 2	200 PSI (14 bar)			
Maximum Flow Rate	50 GPM (200 L/min.)			
Maximum Power Output @ 50 GPM (200 L/min.)	42 W			
External Drain Port	4mm OD push-to-connect tube fitting			
External Drain Port Leakage Rate	6 drops/hour			
Connector	4-Pin Deutsch (3 Phase AC output)			
Maximum Current Draw	3A			
Number of Outputs	1			
Duty Cycle Rating	100%			
Vibration	33.3 Hz 6.8g Peak (Spec: S-367.11.0)			
Shock	49g Peak (Spec: S-367-12-0)			
IP Rating	IP69K			
Pre-production data is subject to change.				





## 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<sup>™</sup>, 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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