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E U R O P E

Save 70% Energy
Payback In Less Than 6 Months

These modules are specially designed to reduce power consumption.

Coil Type			D12	D24
Voltage (V)	12		12	24
	Serviceable Range		10.8 - 13.2	21.6 - 26.4
Current &Power at Rated Voltage	Startup Current (A)		2.2	1.1
	Holding Current (A)		0.68	0.34
	Power (W)		8	8

Max. Flow	40
Max. Operating Pressure (kgf/cm^2)	250
Max. T-Line Back Pressure (kgf/cm^2)	160
Max. Changeover Frequency (cycles/min)	60

# Power Saver Module For Solenoids

These power saver modules reduce the power consumption of solenoid valves by reducing the holding current significantly. SPS-01 is designed to drive CETOP 3 valves with DC 24V input.

Features

- Optimize power consumption of solenoids
- 50% reduction in coil heating
- Plug and Play
- Add on to DIN 43650 Form A connector
- Interchangeable input polarity (Reverse polarity protected)
- LED indication for power to solenoid
- Built-in surge protector to avoid electrical relay

Symbolic Representation & Wave forms

24V / 12 Vdc   SPS-01   Solenoid
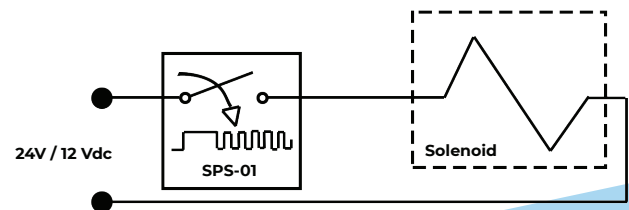
Specifications & Ratings

Rated Voltage (V)	DC 12	DC 24
Rated Current (A)	2	1
Serviceable Range	± 10% of rating	
Output Voltage	12 PWM	24V PWM

Startup Current (A)	96% of Rated current
Holding Current (A)	30% of Rated current
Startup Power (W)	26 Watt
Holding Power (W)	8 Watt

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Designed to automatically reduce holding current after the spool moves, reducing the power drawn by the valve solenoid.
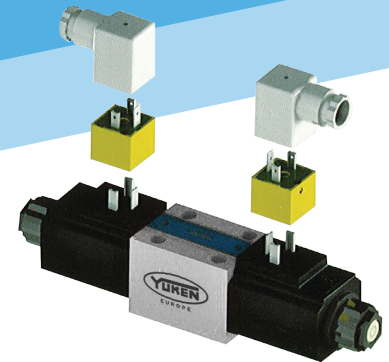
Power Curve for Standard and PS-DSG

Power OFF

Power ON

Start-Up

Holding

Power OFF

Power ON
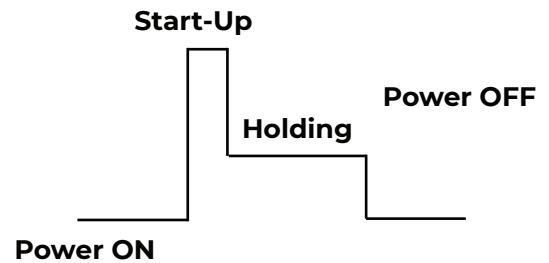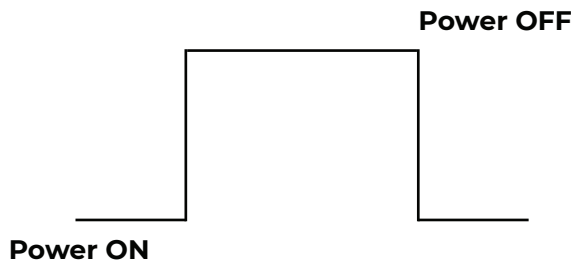
Benefits

- Lower Power Consumption
- Lower running cost
- Lower solenoid temperature
- Increase in coil's life
- Interchangeable design with standard connectors for easy replacement

Potential Annual Monetary Benefits

Assumptions:

- Machine works 25 days/month
- Machine works 20 hrs/day
- 2 valves/machine
- 2 solenoids/valves
- On time: 10's, Off time: 5's

Annual Cost Savings

with 100 machines
£3,237

with 50 machines
£1,618

with 10 machines
£324

with 2 machines
£65