

Introducing the

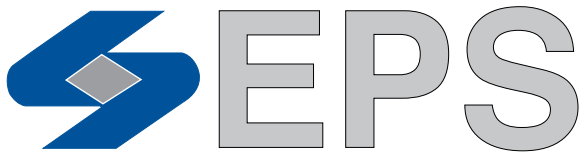


Engineered Power System

SunSource Hydraulic Power Units

- ✓ *Simple*
- ✓ *Pre-designed*
- ✓ *Stand Alone*





Engineered Power System

Pre-engineered Modular Power Units that Provide You the Most Efficient Lead Time Possible!

SunSource has been a leader in engineered power units for years, from large turn-key systems to small self contained units. The New EPS Program combines the advantages of our engineering strength and our modular power unit platform, which simplifies the specification process. In addition, this new program provides quick delivery, with a wide selection of options. The basic power unit platform will include the following standard features:

- Flows to 30 GPM, Pressures to 3000PSI
- Horizontal and vertical pump/ motor mounting options
- Fixed and variable pump options
- "Flexi-Plate" Technology – Supporting a wide range of "as ordered options" as well as future options
- Silver, Gold, and Platinum manifold features
- Return filtration options
- D03 & D05 valve and modular stacking valve options
- Water and air-cooled heat exchanger options
- Assortment of standard power unit options
- 5-10 day delivery available

The EPS has a select group of options to specify, yet still provides the optimum design flexibility and lead time to help you meet your startup deadline.

The EPS Silver, Gold and Platinum Packages for Increasing Levels of Flexibility!



The SunSource EPS is available in three packages, **Silver**, **Gold**, and **Platinum**, which have increasing levels of flexibility achieved through different manifold options.



Silver Series

This option is the baseline manifold design for your power unit. The Silver Series manifold is sufficient to handle most standard applications at an economical cost



Gold Series

The Gold Series will provide you with a Hydro-craft® manifold, increasing the overall flexibility of the system. The manifold will include:

- Return filter head and element
- Gauge ports for filter and operating pressure
- C-10-2 SICV Cavity for relief option
- Can accommodate 1-4 station D03 valve arrangements



Platinum Series

The Platinum Series offers optimum flexibility and performance with the SunSource PSS-6460 manifold

- Bottom/Side ported flexibility
- Single pattern cut out for mounting
- Pressure port check valve option
- Cartridge style relief valve option
- Solenoid dump/ Unloading valve option
- Spin on filter element
- 40 PSI filter by-pass check valve
- Manual filter discharge
- Tank isolation plug for use with optional heat exchanger configuration
- Two -8 SAE return connections (case drain)
- Multiple pressure gage ports
- Spare C-10-2 cavity option
- Can accommodate 1-4 Station D03 & D05 valve arrangements

Selecting an EPS for Quick Delivery is Simple

Example Model Code

| | | | | | | | | | | | | | | | | | |
|---------------|----------|------------------|----------|--------------|----------|-------------|-------------|----------|-----------------|------------|--------------------------|----------|-----|----------|-----|----------|---|
| P | V | 10 | V | 10 | V | 10 | 1500 | 3 | 2 | Station #1 | 11a | A | 12a | 2 | 13a | V | — |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Station #2 | 11b | N | 12b | 2 | 13b | V | — |
| | | | | | | | | | | Station #3 | 11c | X | 12c | X | 13c | X | — |
| | | | | | | | | | | Station #4 | 11d | X | 12d | X | 13d | X | — |
| Series | | Reservoir | | Motor | | Pump | | | Manifold | | Directional Valve | | | | | | |

| | | | | | |
|---|--------------|-----------|-----------|--|----|
| Series | 1 | Platinum* | P | *Relief Valve and Return Filter Standard ** Relief Valve and Return Filter Standard; D05 Valve Option Not Available *** Relief Valve Standard Return Filter Optional | |
| | | Gold** | G | | |
| | | Silver*** | S | | |
| 2 | Vertical | V | | | |
| | Horizontal | H | | | |
| Reservoir | 3 | Capacity | Available | Size | # |
| | | 10 Gallon | V & H | 1 | 10 |
| | | 20 Gallon | V & H | 1 | 20 |
| | | 25 Gallon | V | 2 | 25 |
| | | 30 Gallon | V & H | 1 | 30 |
| | | 35 Gallon | V | 2 | 35 |
| | | 40 Gallon | H | 1 | 40 |
| | | 50 Gallon | V | 2 | 50 |
| | | 60 Gallon | V & H | 2 | 60 |
| | 80 Gallon | H | 2 | 80 | |
| V2 30 Gallon Not Available, H2 30 Gallon Only | | | | | |
| 4 | Drip Pan | # | | | |
| | Not Required | X | | | |
| | Add Drip Pan | D | | | |

| | | | | | |
|-------|---|------------------------|-----------|-------|-----|
| Motor | 5 | Electric Motor | Available | Size | # |
| | | 1 HP, 1800 RPM, TEFC | V & H | 1 | 1 |
| | | 2 HP, 1800 RPM, TEFC | V & H | 1 | 2 |
| | | 3 HP, 1800 RPM, TEFC | V & H | 1 | 3 |
| | | 5 HP, 1800 RPM, TEFC | V & H | 1 & 2 | 5 |
| | | 7.5 HP, 1800 RPM, TEFC | V & H | 1 & 2 | 7.5 |
| | | 10 HP, 1800 RPM, TEFC | V & H | 1 & 2 | 10 |
| | | 15 HP, 1800 RPM, TEFC | V & H | 1 & 2 | 15 |
| | | 20 HP, 1800 RPM, TEFC | V & H | 1 & 2 | 20 |
| | | 25 HP, 1800 RPM, TEFC | V & H | 2 | 25 |
| | | 30 HP, 1800 RPM, TEFC | V & H | 2 | 30 |
| | | 40 HP, 1800 RPM, TEFC | V & H | 2 | 40 |
| | | 50 HP, 1800 RPM, TEFC | V & H | 2 | 50 |
| | | 60 HP, 1800 RPM, TEFC | V & H | 2 | 60 |

| | | | | |
|------------------------------|--|------------|----------|---|
| 6 | Type | Flow Range | Max PSI | # |
| | Gear | 2-9 GPM | 3000 PSI | G |
| | Vane | 1-19 GPM | 2250 PSI | V |
| | Piston | 3-29 GPM | 3000 PSI | P |
| 30 HP Max Vertical Unit HP | | | | |
| 60 HP Max Horizontal Unit HP | | | | |
| 7 | Flow | # | | |
| | Required GPM | ACTUAL | | |
| | Pump with closest flow will be selected | | | |
| | All Piston Pumps Include "P" Check Valve | | | |
| 8 | Pressure | # | | |
| | Required PSI | ACTUAL | | |
| | † Pump / Motor Verification Required See Formula | | | |
| | 3000 PSI Maximum | | | |

† Conversion Formulas
 $HP = Flow \times PSI / (1714 \times .85)$
 $PSI = HP \times (1714 \times .85) / Flow$
 $Flow = HP \times (1714 \times .85) / PSI$

| | | |
|----|--|---|
| 9 | Valve Size | # |
| | Not Required | X |
| | D03 Silver, Gold & Platinum | 3 |
| | D05 Silver & Platinum Only | 5 |
| 10 | Stations | # |
| | Not Required | X |
| | 1-4 Valve Stations (Select 1, 2, 3 or 4) | # |

| | |
|----|---------------------|
| 11 | Valve Type |
| | Not Required |
| | 2 Position Spring |
| | 2 Position Deter |
| | 3 Position Spring |
| 12 | Spool Type |
| | Not Required |
| | Closed Center (A |
| | Open Center (A |
| | Tandem Center to T) |
| | P Block A & B to |
| | Special (Quoted |
| 13 | Voltage |
| | Not Required |
| | 24 VDC |
| | 120 VAC |
| | All Valves Suppl |

| | |
|----|--------------------------|
| 14 | Module Function |
| | Not Required |
| | P Port Check Va |
| | A&B PO Check |
| | Meter in Dual F |
| | Meter Out Dual |
| | P Port Pressure |
| | Module |
| | Special (Quoted Request) |

EPS

Engineered Power System

The SunSource EPS Offers Your Application Flexibility without Sacrificing Lead Time!



The vertical profile has a smaller footprint and is ideal for manufacturing plants where floor space is scarce.



The horizontal profile is perfect for low-profile applications and possible skid or portable baseplate mounts.



The Flexi-Plate offers a unique method to apply package options such as a level switch, temperature switch or additional return connections.



There are 3 different manifold packages that provide flexibility for your specific application. The platinum manifold offers a variety of port and valve options and can accommodate 1 to 4 station valve arrangements.

As a national distributor with local presence, SunSource has a unique and dominant position as a full-service resource for the industrial and mobile fluid power industry. We distribute a broad range of components, but SunSource is much more than a distributor just supplying fluid power products. We realize that our customers need more. Along with high quality products, we provide a commitment to high quality customer service and technically sound, cost-effective solutions.

The decisions you make every day affect your company's bottom line, so finding the right partners is a top priority. When your success depends on the success of others, it becomes critical to develop strong, lasting partnerships with suppliers you can trust to provide the support your company needs for a competitive advantage. Dependable, knowledgeable, efficient service helps you focus your energy on activities that help sell your product – and help your company succeed.

– For more information, please contact your local SunSource representative.

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