



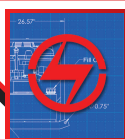
## 3-Phase Electric Pumps

### Electric Power Source



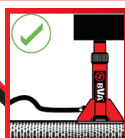
PE60S4L06G

PE40DSP02G



#### Pressure Settings

Custom pressure settings available upon request. Contact your local BVA dealer.



#### Safety Instructions

Visit our DO'S and DON'TS section to review the best methods of operation. Always be prepared.

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- All hand pendants are wired with 24 VAC
- Quiet operation meets OSHA regulations (80dBA)
- 2 speed operation allows for faster cylinder advance
- Full load starting capacities
- Internal suction strainer keeps contamination from damaging pump
- Rugged durable design meets the demands of industrial applications
- Precision components to minimize wear and improve overall dependability
- Motors are rated 50/60 Hz for voltage
- Reservoirs equipped with sight level gauges
- PE40 models are standard as 240 VAC 60 Hz
- PE60 Models are standard as 480 VAC 60 Hz

| Use with<br>Cylinder Type | Flow Rate             |     |                       |     | Motor<br>Size*** |
|---------------------------|-----------------------|-----|-----------------------|-----|------------------|
|                           | 1 <sup>st</sup> Stage |     | 2 <sup>nd</sup> Stage |     |                  |
|                           | in <sup>3</sup> /min  | psi | in <sup>3</sup> /min  | psi |                  |

#### Dump Solenoid Valve w/10 ft. Pendant

|  |                                 |  |     |     |     |        |        |
|--|---------------------------------|--|-----|-----|-----|--------|--------|
|  | 2W/2P<br>Advance/Return (Auto*) |  | 311 | 700 | 37  | 10,000 | 1.0 Hp |
|  |                                 |  | 592 | 700 | 110 | 10,000 | 3.0 Hp |
|  | 3W/2P<br>Advance/Return**       |  | 311 | 700 | 37  | 10,000 | 1.0 Hp |
|  |                                 |  | 592 | 700 | 110 | 10,000 | 3.0 Hp |

#### Manual Valve

|  |                              |  |     |     |     |        |        |
|--|------------------------------|--|-----|-----|-----|--------|--------|
|  | 3W/3P<br>Advance/Hold Return |  | 311 | 700 | 37  | 10,000 | 1.0 Hp |
|  |                              |  | 592 | 700 | 110 | 10,000 | 3.0 Hp |
|  | 4W/3P<br>Advance/Hold/Return |  | 311 | 700 | 37  | 10,000 | 1.0 Hp |
|  |                              |  | 592 | 700 | 110 | 10,000 | 3.0 Hp |

#### Solenoid Valve w/10 ft. Pendant & Locking Plate

|  |                              |  |     |     |     |        |        |
|--|------------------------------|--|-----|-----|-----|--------|--------|
|  | 3W/3P<br>Advance/Hold Return |  | 311 | 700 | 37  | 10,000 | 1.0 Hp |
|  |                              |  | 592 | 700 | 110 | 10,000 | 3.0 Hp |
|  | 4W/3P<br>Advance/Hold/Return |  | 311 | 700 | 37  | 10,000 | 1.0 Hp |
|  |                              |  | 592 | 700 | 110 | 10,000 | 3.0 Hp |

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\* Advance position holds pressure with motor running or off. Return retracts cylinder with motor off

\*\* Advance position holds pressure with motor running and cylinder Returns when button is released.

\*\*\* Standard voltage on the 1 Hp pump is 208-240 VAC 60 Hz; 3 Hp pump is 460-480 VAC 60 Hz



#### Safety Practices

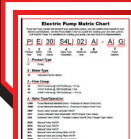
Good industry practice recommends not exceeding 80% of maximum rated capacities of all our products.

#### Related Product: Gauges



Reduce the risk of overloading your product by using a gauge. A variety of graduations and types to suit any need.

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#### Additional Voltages

Additional voltage options are available, see part number matrix for options

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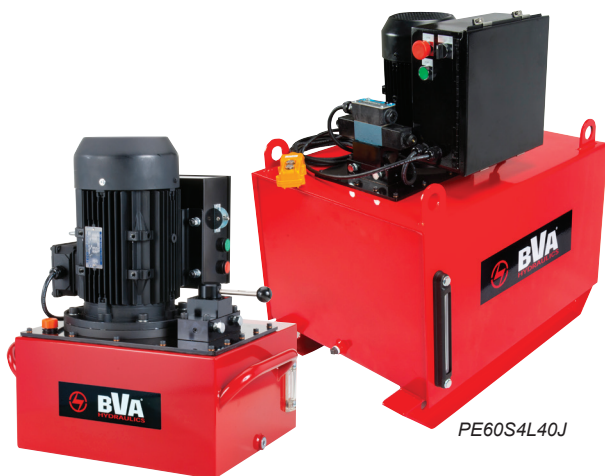
| Usable Oil Capacity                                        |            |            |            |            |            |            |            |
|------------------------------------------------------------|------------|------------|------------|------------|------------|------------|------------|
| 2 Gal                                                      | 3 Gal      | 5 Gal      | 6 Gal      | 10 Gal     | 15 Gal     | 25 Gal     | 40 Gal     |
| Model Number                                               |            |            |            |            |            |            |            |
| <b>Dump Solenoid Valve w/10 ft. Pendant</b>                |            |            |            |            |            |            |            |
| PE40H2S02G                                                 | PE40H2S03G | PE40H2S05G | -          | PE40H2S10G | PE40H2S15G | PE40H2S25G | -          |
| -                                                          | -          | -          | PE60H2S06J | PE60H2S10J | PE60H2S15J | -          | PE60H2S40J |
| PE40DSP02G                                                 | PE40DSP03G | PE40DSP05G | -          | PE40DSP10G | PE40DSP15G | PE40DSP25G | -          |
| -                                                          | -          | -          | PE60DSP06J | PE60DSP10J | PE60DSP15J | -          | PE60DSP40J |
| <b>Manual Valve</b>                                        |            |            |            |            |            |            |            |
| PE40M3N02G                                                 | PE40M3N03G | PE40M3N05G | -          | PE40M3N10G | PE40M3N15G | PE40M3N25G | -          |
| -                                                          | -          | -          | PE60M3N06J | PE60M3N10J | PE60M3N15J | -          | PE60M3N40J |
| PE40M4N02G                                                 | PE40M4N03G | PE40M4N05G | -          | PE40M4N10G | PE40M4N15G | PE40M4N25G | -          |
| -                                                          | -          | -          | PE60M4N06J | PE60M4N10J | PE60M4N15J | -          | PE60M4N40J |
| <b>Solenoid Valve w/10 ft. Pendant &amp; Locking Plate</b> |            |            |            |            |            |            |            |
| PE40S3L02G                                                 | PE40S3L03G | PE40S3L05G | -          | PE40S3L10G | PE40S3L15G | PE40S3L25G | -          |
| -                                                          | -          | -          | PE60S3L06J | PE60S3L10J | PE60S3L15J | -          | PE60S3L40J |
| PE40S4L02G                                                 | PE40S4L03G | PE40S4L05G | -          | PE40S4L10G | PE40S4L15G | PE40S4L25G | -          |
| -                                                          | -          | -          | PE60S4L06J | PE60S4L10J | PE60S4L15J | -          | PE60S4L40J |

\* Advance position holds pressure with motor running or off. Return retracts cylinder with motor off  
 \*\* Advance position holds pressure with motor running and cylinder Returns when button is released.  
 \*\*\* Standard voltage on the 1 Hp pump is 208-240 VAC 60 Hz; 3 Hp pump is 460-480 VAC 60 Hz



## 3-Phase Electric Pumps

Electric Power Source



PE60M4N06G

PE60S4L40J



### Safety Practices

Good industry practice recommends not exceeding 80% of maximum rated capacities of all our products.

### Related Product: Gauges



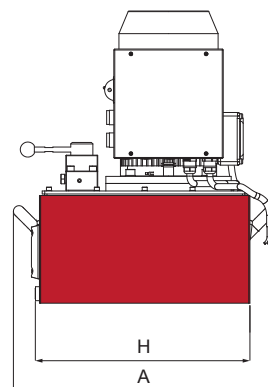
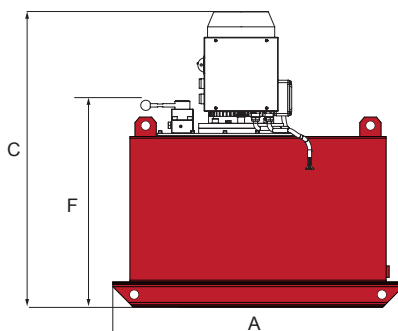
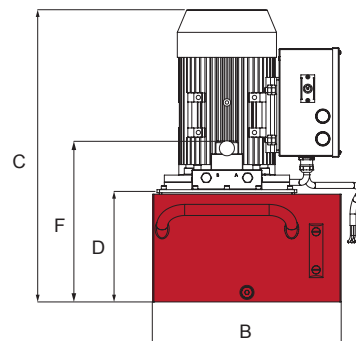
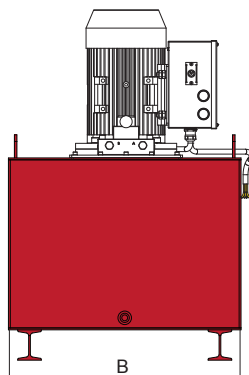
Reduce the risk of overloading your product by using a gauge. A variety of graduations and types to suit any need.

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### Pressure Settings

Custom pressure settings available upon request. Contact your local BVA dealer.



| Reservoir Size | Dimensional Table (in.) |       |       |       |       |       | Pump Weight by Series* (lbs.) |
|----------------|-------------------------|-------|-------|-------|-------|-------|-------------------------------|
|                | A                       | B     | C     | D     | F     | H     | PE40                          |
| 2 Gal          | 16.65                   | 12.01 | 21.00 | 5.98  | 13.16 | 12.36 | 72.0                          |
| 3 Gal          | 16.65                   | 12.01 | 22.25 | 7.24  | 10.51 | 12.36 | 81.0                          |
| 5 Gal          | 16.65                   | 12.01 | 27.25 | 12.28 | 15.53 | 12.36 | 102.0                         |
| 10 Gal         | 20.87                   | 16.54 | 28.25 | 18.98 | 22.25 | 16.54 | 184.0                         |
| 15 Gal         | 20.87                   | 16.54 | 37.25 | 22.13 | 25.40 | 16.54 | 255.0                         |
| 25 Gal         | 25.59                   | 21.26 | 39.25 | 22.13 | 25.40 | 21.26 | 362.0                         |

| Reservoir Size | Dimensional Table (in.) |       |       |       |       |       | Pump Weight by Series* (lbs.) |
|----------------|-------------------------|-------|-------|-------|-------|-------|-------------------------------|
|                | A                       | B     | C     | D     | F     | H     | PE60                          |
| 6 Gal          | 20.63                   | 14.80 | 22.95 | 8.82  | 16.04 | 16.87 | 187.0                         |
| 10 Gal         | 27.13                   | 19.53 | 24.82 | 11.75 | 17.91 | 23.13 | 348.0                         |
| 15 Gal         | 27.13                   | 23.46 | 24.82 | 11.75 | 17.91 | 23.13 | 396.0                         |
| 40 Gal         | 34.50                   | 23.13 | 38.58 | 24.00 | 31.67 | -     | 628.0                         |

\* Pump weights include oil.

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## 3-Phase Pump Matrix Chart

If you don't see a pump that would fit your application needs, you can custom build a pump to your desired specifications. Use this Pump Matrix Chart as a guide for creating your very own custom built Electric Pump. For assistance in building your pump, call your local BVA Representative.

**P** **E** **40** **DSP** **02** **G** - **A** **G**

**1** **2** **3** **4** **5** **6** **7**  
Product Motor Flow Valve Reservoir Voltage Pump  
Type Type Group Type /Operation Size Options

### 1 - Product Type

**P** Pump

### 2 - Motor Type

**E** Induction Electric Motor, TEFC

### 3 - Flow Group

**40** 311/37 in<sup>3</sup>/min @ 700/10,000 psi, 1.0 Hp  
**60** 592/110 in<sup>3</sup>/min @ 700/10,000 psi, 3.0 Hp

### 4 - Valve Type/Operation

**CMR** Pump Mounted Manifold Block - Pressure & Return Ports Only

**DSP** Dump Solenoid Valve w/pendant 3W/2P (Spool Type Valve)  
**H2S** Solenoid Valve 2W/2P - Pendant Control On/Off Only (Poppet Type Valve)

**M2N** Manual Valve 3W/2P  
**M3N** Manual Valve 3W/3P  
**M4N** Manual Valve 4W/3P  
**M3L** Manual Valve 3W/3P w/Locking Plate  
**M4L** Manual Valve 4W/3P w/Locking Plate

**S3N** Solenoid Valve 3W/3P (Spool Type)  
**S4N** Solenoid Valve 4W/3P (Spool Type)  
**S3L** Solenoid Valve 3W/3P w/Locking Plate (Spool Type Valve)  
**S4L** Solenoid Valve 4W/3P w/Locking Plate (Spool Type Valve)

### 5 - Reservoir Size

**02** 2 Gallon  
**03** 3 Gallons  
**05** 5 Gallons  
**06** 6 Gallons  
**10** 10 Gallons  
**15** 15 Gallons  
**25** 25 Gallons  
**40** 40 Gallons

### 6 - Voltage

**G** 208-240V 3 ph 60 Hz - No Plug  
**W** 380-415V 3 ph 50 Hz - No Plug  
**J** 460-480V 3 ph 60 Hz - No Plug or Wire

### 7 - Pump Options

**A** External Pressure Adjustment Block (available on any models with 3W/3P or 4W/3P)  
**G** Gauge w/Gauge Adapter 0-15,000 psi 2-1/2" Wet - Installed "A" Port  
**P** Pressure Switch (available on solenoid equipped models only)  
**U** Foot Control Switch (available on solenoid equipped models only)  
**W** Wireless Control (available on solenoid equipped models only)



PE Series

### Ordering Example

**PE40DSP02G**

After reviewing this model number, we know that the pump has the following specifications:

- Electric power source
- 1 Hp flow group
- Dump Solenoid Valve w/Pendant 3W/2P
- 2 gallon reservoir tank
- 208-240V 3 ph 60 Hz Voltage - No Plug



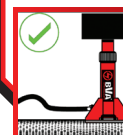
PE40DSP02G



### Pump Accessories

See the assortment of accessories designed to work with these pumps.

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### Safety Instructions

Visit our DO'S and DON'TS section to review the best methods of operation. Always be prepared.

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### Related Product: Hoses

We offer a variety of hoses, fittings, lengths and materials.

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Not all options are available in all configurations. Table is for reference only. Please consult your local BVA dealer if you want to order a custom pump or if you have questions.