



## 3-Phase Electric Pumps

### Electric Power Source



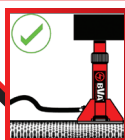
PE60S4L06G

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.

pg 92

- 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 |

1-888-332-6419

[www.BVAhydraulics.com](http://www.BVAhydraulics.com)

\* 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

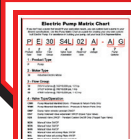
Good industry practice recommends not exceeding 80% of maximum rated capacities of all our products.

#### Related Product: Gauges



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

pg 69



#### Additional Voltages

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

pg 59

| 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



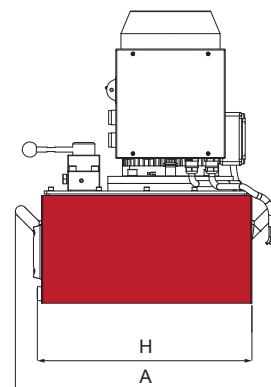
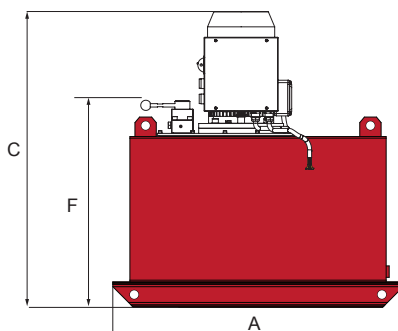
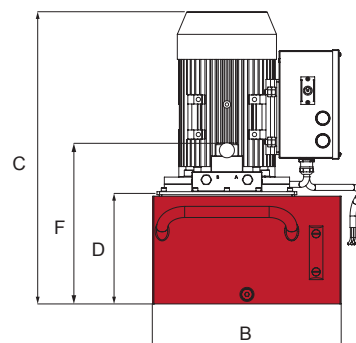
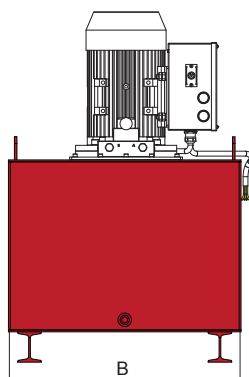
Reduce the risk of overloading your product by using a gauge. A variety of graduations and types to suit any need.

pg 69



### 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.

1-888-332-6419

[www.BVAhydraulics.com](http://www.BVAhydraulics.com)

## 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.

pg 69



### Safety Instructions

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

pg 92



### Related Product: Hoses

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

pg 72

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.