



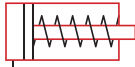
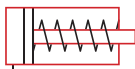
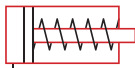
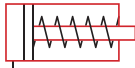
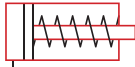
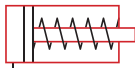
Electric Pumps

PE30, PE40, PE50 Series
- Single Phase



PE50W4N03A

- Meets OSHA regulations for sound (80dBA)
- 2 Stage pumps provide fast run up before the high pressure stage
- Suction strainers screen out contamination to prevent pump damage
- All units are wired as 120 VAC 60 Hz; Optional wiring includes 50 Hz motors and 240 VAC 60 Hz
- 100% Duty Cycle, NEMA 5 Enclosure TEFC motors
- All hand pendants are wired 24 VAC for safety
- Starts under full load

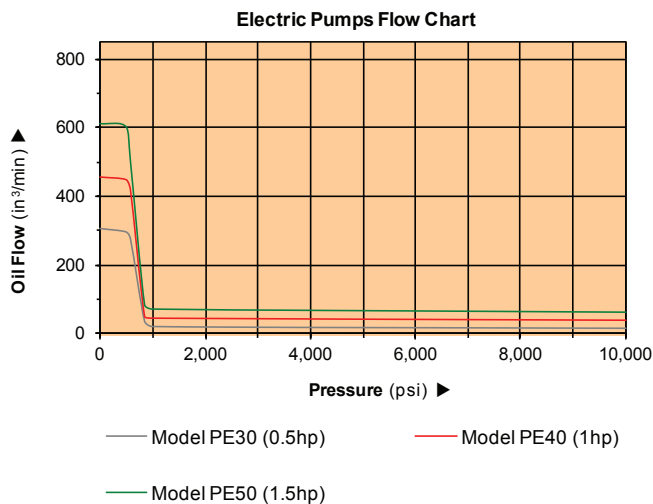
 PE50W4N03A	Use with Cylinder Type	Flow Rate				Motor Size	
		1 st Stage		2 nd Stage			
		in ³ /min	psi	in ³ /min	psi		
Dump Manual Valve w/10 ft. Motor Pendant							
	2W/2P Advance/Return		293	350	18	10,000	0.5 Hp
			311	700	37	10,000	1.0 Hp
			476	700	61	10,000	1.5 Hp
Dump Solenoid Valve w/10 ft. Pendant							
	2W/2P Advance /Return (Auto*)		293	350	18	10,000	0.5 Hp
			311	700	37	10,000	1.0 Hp
			476	700	61	10,000	1.5 Hp
	3W/2P Advance /Return**		293	350	18	10,000	0.5 Hp
			311	700	37	10,000	1.0 Hp
			476	700	61	10,000	1.5 Hp
Manual Valve							
	3W/3P Advance /Hold Return		293	350	18	10,000	0.5 Hp
			311	700	37	10,000	1.0 Hp
			476	700	61	10,000	1.5 Hp
	4W/3P Advance /Hold/Return		293	350	18	10,000	0.5 Hp
			311	700	37	10,000	1.0 Hp
			476	700	61	10,000	1.5 Hp
Manual Valve w/10 ft. Motor Pendant							
	3W/3P Advance /Hold Return		293	350	18	10,000	0.5 Hp
			311	700	37	10,000	1.0 Hp
			476	700	61	10,000	1.5 Hp
	4W/3P Advance /Hold/Return		293	350	18	10,000	0.5 Hp
			311	700	37	10,000	1.0 Hp
			476	700	61	10,000	1.5 Hp
Solenoid Valve w/10 ft. Pendant & Locking Plate							
	3W/3P Advance /Hold Return		293	350	18	10,000	0.5 Hp
			311	700	37	10,000	1.0 Hp
			476	700	61	10,000	1.5 Hp
	4W/3P Advance /Hold/Return		293	350	18	10,000	0.5 Hp
			311	700	37	10,000	1.0 Hp
			476	700	61	10,000	1.5 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.



80%

Safety Practices

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

Pumps

Usable Oil Capacity						
1 Gal	2 Gal	3 Gal	5 Gal	10 Gal	15 Gal	25 Gal
Model Number	Model Number	Model Number	Model Number	Model Number	Model Number	Model Number
Dump Manual Valve w/10 ft. Motor Pendant						
PE30DMP01A	PE30DMP02A	PE30DMP03A	-	-	-	-
-	PE40DMP02A	PE40DMP03A	PE40DMP05A	PE40DMP10A	-	-
-	-	PE50DMP03A	PE50DMP05A	PE50DMP10A	PE50DMP15A	PE50DMP25A
Dump Solenoid Valve w/10 ft. Pendant						
PE30H2S01A	PE30H2S02A	PE30H2S03A	-	-	-	-
-	PE40H2S02A	PE40H2S03A	PE40H2S05A	PE40H2S10A	-	-
-	-	PE50H2S03A	PE50H2S05A	PE50H2S10A	PE50H2S15A	PE50H2S25A
PE30DSP01A	PE30DSP02A	PE30DSP03A	-	-	-	-
-	PE40DSP02A	PE40DSP03A	PE40DSP05A	PE40DSP10A	-	-
-	-	PE50DSP03A	PE50DSP05A	PE50DSP10A	PE50DSP15A	PE50DSP25A
Manual Valve						
PE30M3N01A	PE30M3N02A	PE30M3N03A	-	-	-	-
-	PE40M3N02A	PE40M3N03A	PE40M3N05A	PE40M3N10A	PE40M3N15A	PE40M3N25A
-	-	PE50M3N03A	PE50M3N05A	PE50M3N10A	PE50M3N15A	PE50M3N25A
PE30M4N01A	PE30M4N02A	PE30M4N03A	-	-	-	-
-	PE40M4N02A	PE40M4N03A	PE40M4N05A	PE40M4N10A	PE40M4N15A	PE40M4N25A
-	-	PE50M4N03A	PE50M4N05A	PE50M4N10A	PE50M4N15A	PE50M4N25A
Manual Valve w/10 ft. Motor Pendant						
PE30W3N01A	PE30W3N02A	PE30W3N03A	-	-	-	-
-	PE40W3N02A	PE40W3N03A	PE40W3N05A	PE40W3N10A	PE40W3N15A	PE40W3N25A
-	-	PE50W3N03A	PE50W3N05A	PE50W3N10A	PE50W3N15A	PE50W3N25A
PE30W4N01A	PE30W4N02A	PE30W4N03A	-	-	-	-
-	PE40W4N02A	PE40W4N03A	PE40W4N05A	PE40W4N10A	PE40W4N15A	PE40W4N25A
-	-	PE50W4N03A	PE50W4N05A	PE50W4N10A	PE50W4N15A	PE50W4N25A
Solenoid Valve w/10 ft. Pendant & Locking Plate						
PE30S3L01A	PE30S3L02A	PE30S3L03A	-	-	-	-
-	PE40S3L02A	PE40S3L03A	PE40S3L05A	PE40S3L10A	PE40S3L15A	PE40S3L25A
-	-	PE50S3L03A	PE50S3L05A	PE50S3L10A	PE50S3L15A	PE50S3L25A
PE30S4L01A	PE30S4L02A	PE30S4L03A	-	-	-	-
-	PE40S4L02A	PE40S4L03A	PE40S4L05A	PE40S4L10A	PE40S4L15A	PE40S4L25A
-	-	PE50S4L03A	PE50S4L05A	PE50S4L10A	PE50S4L15A	PE50S4L25A

* 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.

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Electric Pumps

Electric Power Source



PE50M4N03A



Pump Accessories

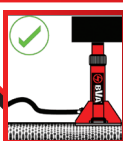
See the assortment of accessories designed to work with these pumps.

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Safety Practices

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



Safety Instructions

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

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Pressure Settings

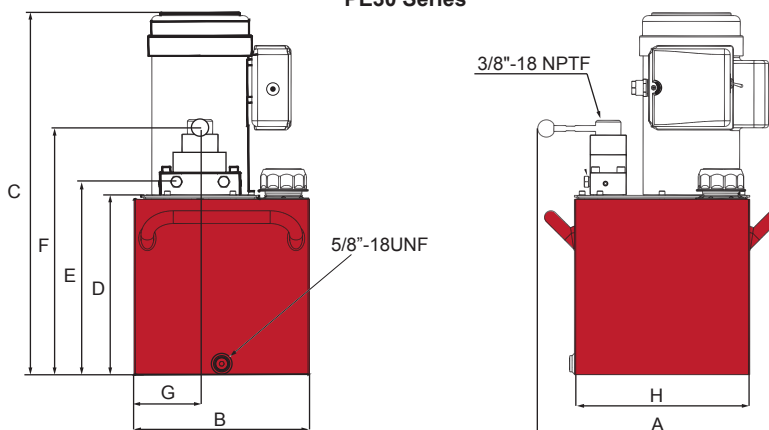
Custom pressure settings available upon request. Contact your local BVA dealer.



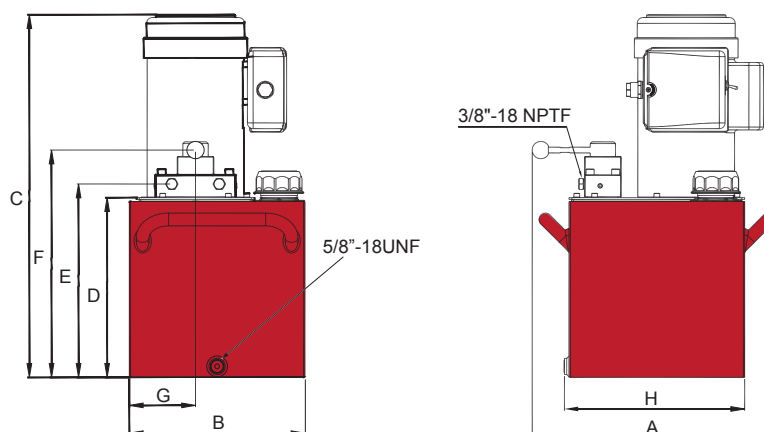
Reservoir Sizing

Recommended reservoir sizing is Extended Cylinder + Hose Volume Oil Capacity x 1.3

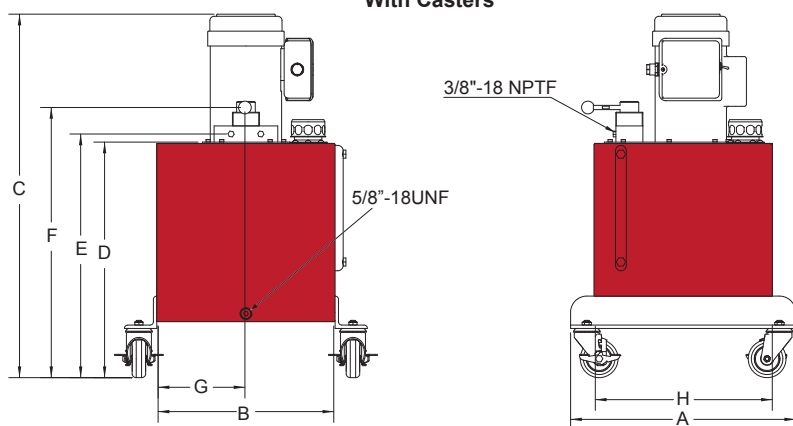
PE30 Series



PE40/PE50 Series



PE40/PE50 Series With Casters



Reservoir Size	Dimensional Table (in)								Pump Weight by Series* (lbs)		
	A	B	C	D	E	F	G	H	PE30	PE40	PE50
1 Gal	12.7	10.3	19.1	4.7	5.7	12.0	8.1	12.4	61.0	-	-
2 Gal	16.7	12.0	17.9	6.0	6.9	13.2	4.5	12.4	75.0	72.0	-
3 Gal	16.7	12.0	19.7	7.2	8.2	10.5	4.5	12.4	84.0	81.0	91.0
5 Gal	16.7	12.0	24.8	12.3	13.2	15.5	4.5	12.4	-	102.0	112.0
10 Gal	20.9	16.5	31.5	19.0	19.9	22.3	8.3	16.5	-	184.0	194.0
15 Gal	20.9	16.5	34.6	22.1	23.1	25.4	8.3	16.5	-	255.0	265.0
25 Gal	25.6	21.3	34.6	22.1	23.1	25.4	10.6	21.3	-	362.0	372.0

* Pump weights include oil.

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Single 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** **30** **S4L** **02** **A** - **A** **G**

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

1 - Product Type

P Pump

2 - Motor Type

E Induction Electric Motor, TEFC

3 - Flow Group

30 293/18 in3/min @ 350/10,000 psi, 0.5 Hp
40 311/37 in3/min @ 700/10,000 psi, 1.0 Hp
50 476/61 in3/min @ 700/10,000 psi, 1.5 Hp

4 - Valve Type/Operation

CMR Pump Mounted Manifold Block - Pressure & Return Ports Only
WMR CMR Block w/10ft Motor Control Pendant
DMP Dump Valve w/motor pendant 2W/2P
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
W2N Manual Valve 3W/2P w/10ft Motor Control Pendant
W3N Manual Valve 3W/3P w/10ft Motor Control Pendant
W4N Manual Valve 4W/3P w/10ft Motor Control Pendant
W3L Manual Valve 3W/3P w/Locking Plate and 10ft Motor Control Pendant
W4L Manual Valve 4W/3P w/Locking Plate and 10ft Motor Control Pendant
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

01 1 Gallon
02 2 Gallons
03 3 Gallons
05 5 Gallons
10 10 Gallons
15 15 Gallons
25 25 Gallons

6 - Voltage

A 120V 1 ph 60 Hz - US Plug NEMA 5-15P
D 230V 1 ph 50 Hz - European Plug
E 240V 1 ph 60 Hz - No Plug

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
M Intermittent Motor Option (available on solenoid equipped models only EXCEPT H2S option)
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)



Ordering Example

PE30S4L02A-A

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

- Electric power source
- 1/2 Hp flow group
- Solenoid Valve w/Locking Plate 4W/3P
- 2 gallon reservoir tank
- External Pressure Adjustment Block



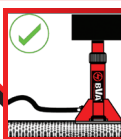
PE30S4L02A-A

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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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.