

Electric submerged pumps

Shown: WEM-1401B



WE series

Enerpac two stage electric submerged pumps are a quiet, economical workholding power source. Submerged in oil the motor stays cooler when used on an intermittent basis.

Best performance for mid-range cylinders

- Reduce cycle times for improved productivity
- Two-speed pump unit provides rapid cylinder advance
- Submerged dual voltage induction motor, runs cooler and quieter
- Available with heat exchanger for higher duty cycle applications
- Externally adjustable relief valve – no need to open pump when reducing pressure
- Reservoir mounting holes for easy mounting to fixed surface
- Full length side tube for easy monitoring of oil level
- Auxiliary return port, eliminates the need for a separate adapter

Product selection

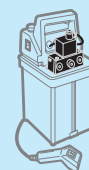
Motor voltage	Motor capacity	Amperage draw	Maximum oil flow at 60Hz		Pressure rating		Usable oil capacity	Adjustable relief valve	Weight
			1st stage	2nd stage	1st stage	2nd stage			
50/60 Hz 1 ph	hp	A	in ³ /min	in ³ /min	psi	psi	gal	psi	lbs
115V-1ph	.50	13.5	150	40	1000	5000	1.5	1000 - 5000	63 ¹⁾
230V-1ph	.50	6.75	150	40	1000	5000	1.5	1000 - 5000	63 ¹⁾

¹⁾ Weight for WES and WET models is 83 lbs.

Select your pump type

WED-series with dump valve

- For use when load holding is not required
- Ideal for palletized workholding
- Motor is on only during work cycle



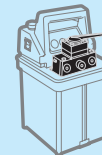
WEJ series with remote jog

- Manual valve control
- Motor can be turned on and off by remote pendant for jogging capability



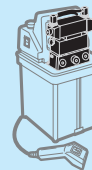
WEM series with manual valve

- Manual valve control
- Manual motor control
- Simple and economical solution to your workholding power source needs



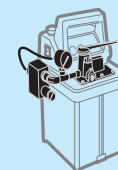
WER series with remote actuated solenoid

- Solenoid directional with shear seal design
- Remote valve operation

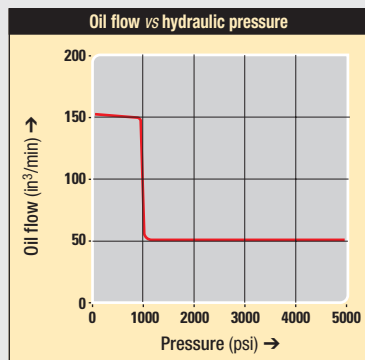


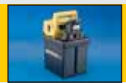
WES/WET series with pressure switch

- Pressure switch turns motor on and off
- Used when pressure must be maintained over a period of time
- With pressure gauge

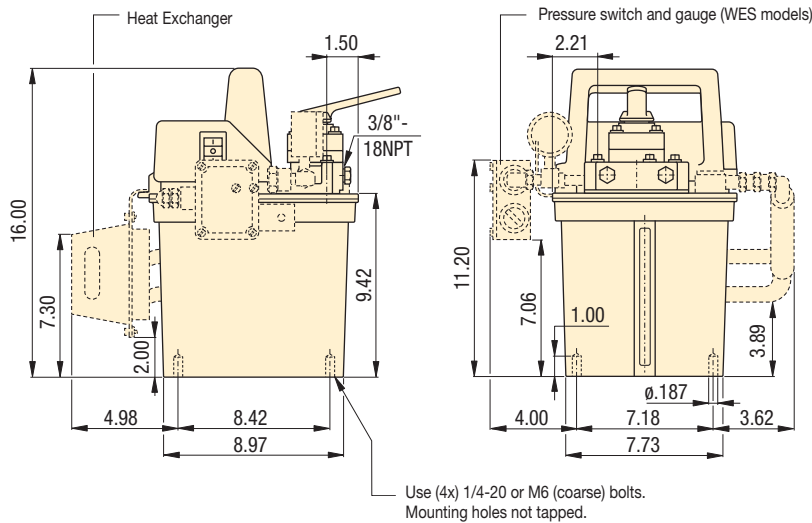


Pressure switch specifications: - Classification NEMA 1
- Pressure range: IC-51: 3000-7500 psi
IC-31: 500-3500 psi





WE-series submerged



Flow: 40 in³/min

Pressure: 5,000 psi max


Motor: .5 hp


Reservoir: 1.5 gal


- E** Bombas eléctricas
- F** Centrale hydraulique
- D** Tauchpumpe




Options

G-series pressure gauges  [154](#)

FL-series high-pressure filters  [157](#)

FZ-series fittings  [158](#)

HF-series hydraulic oil  [157](#)

Important

Oil should be replaced every 500 working hours to ensure long life. Change filters when changing oil or 4 times a year whichever comes first.

Heat exchanger cools oil in pumps used in higher duty cycle applications.

Output flow rate should be matched to hydraulic components used in the system.

Used with cylinder	Valve function	Valve type	Model number	Motor voltage 50/60 Hz	Heat exchanger
Single-Acting	Advance / Retract	Dump	WED-1101B	115V	
Single-Acting	Advance / Retract	Dump	WED-1101E	230V	
Single-Acting	Advance / Retract	Jog	WEJ-1201B	115V	
Single-Acting	Adv. / Hold / Retr.	Jog	WEJ-1301B	115V	
Double-Acting	Adv. / Hold / Retr.	Jog	WEJ-1401B	115V	
Single-Acting	Advance / Retract	Manual 3/2	WEM-1201B	115V	●
Single-Acting	Advance / Retract	Manual 3/2	WEM-1201D	115V	●
Single-Acting	Advance / Retract	Manual 3/2	WEM-1201E	230V	●
Single-Acting	Advance / Retract	Manual 3/2	WEM-1201F	230V	●
Single-Acting	Adv. / Hold / Retr.	Manual 3/3	WEM-1301B	115V	●
Single-Acting	Adv. / Hold / Retr.	Manual 3/3	WEM-1301F	230V	●
Double-Acting	Adv. / Hold / Retr.	Manual 4/3	WEM-1401D	115V	●
Double-Acting	Adv. / Hold / Retr.	Manual 4/3	WEM-1401E	230V	●
Single-Acting	Adv. / Hold / Retr.	Solenoid	WER-1301B	115V	●
Single-Acting	Adv. / Hold / Retr.	Solenoid	WER-1301D	115V	●
Single-Acting	Adv. / Hold / Retr.	Solenoid	WER-1301E	230V	●
Double-Acting	Adv. / Hold / Retr.	Solenoid	WER-1401B	115V	●
Double-Acting	Adv. / Hold / Retr.	Solenoid	WER-1401D	115V	●
Double-Acting	Adv. / Hold / Retr.	Solenoid	WER-1401F	230V	●
Single-Acting	Advance / Retract	Manual 3/2	WES-1201B	115V	
Single-Acting	Advance / Retract	Manual 3/2	WET-1201B	115V	
Single-Acting	Adv. / Hold / Retr.	Manual 3/3	WES-1301B	115V	
Single-Acting	Adv. / Hold / Retr.	Manual 3/3	WES-1301E	230V	
Double-Acting	Adv. / Hold / Retr.	Manual 4/3	WES-1401B	115V	
Double-Acting	Adv. / Hold / Retr.	Manual 4/3	WES-1401E	230V	

Shown: WEM-1401B



Swing cylinders
Work supports

Linear cylinders

Power Sources

WER series

Enerpac submerged motor pumps are available in a wide range of configurations to fit any requirement.

Important

WER series pumps use the VE-series valves shown on page 109. WER-13 series uses VEF-series valve. WER-14 series uses VEC-series valve.

WES series pumps use IC-51 pressure switch, adjustable from 3000-7500 psi.

WET series pumps use IC-31 pressure switch, adjustable from 500-3500 psi.

Custom build your submerged pump

▼ This is how a submerged pump model number is built up:

If the submerged pump that would best fit your application cannot be found in the chart on pages 110-111, you can easily build your custom submerged pump here.



1 Product Type

W = Workholding Pump

2 Motor Type

E = Electric motor

3 Pump Type

D = Dump

J = Jog

M = Manual

R = Remote (solenoid)

S = Pressure switch (IC-51)

T = Pressure switch (IC-31)

4 Pump Series

1 = .5 hp 10,000 psi

5 Valve Type

0 = No valve (WER only)

1 = Dump

2 = 3-way, 2-position, normally open

3 = 3-way, 3-position, tandem center

4 = 4-way, 3-position, tandem center

5 = Custom VE-series valve (WER only)

See example 2 below.

6 Reservoir Capacity

01 = 1.5 gallon

7 Motor Voltage and Heat Exchanger

B = 115 V, 1 Ph, 50/60 Hz

D = 115 V, 1 Ph, 50/60 Hz

with heat exchanger

E = 230 V, 1 Ph, 50/60 Hz

F = 230 V, 1 Ph, 50/60 Hz

with heat exchanger

I = 230 V, 1 Ph, 60 Hz*

* To order WER models, for 60 Hz applications, replace the "E" suffix for "I".

Ordering example 1

Ordering example 2

Examples

Model number:
WER-1301B

The **WER-1301B** is a .5 hp, 5,000 psi, submerged electric pump, with 1.5 gallon usable oil capacity, a 3-way, 3-position modular, remote solenoid valve (VEF-series) and a 115 V, 1 Phase, 50/60 Hz motor.

Model number:
WER-1501B-VED15000D

The **WER-1501B** is a .5 hp, 5,000 psi, submerged electric pump, with 1.5 gallon usable oil capacity. The valve, model **VED15000D** is a 115 V, 60 Hz solenoid valve. (For details and options for all VE-series valves see page 128.)