

» BUR CAM »



BURKE Farming Products

Water Service Products
Pumps and Water Systems

2013

Technical catalogue



JET PUMPS



Shallow well

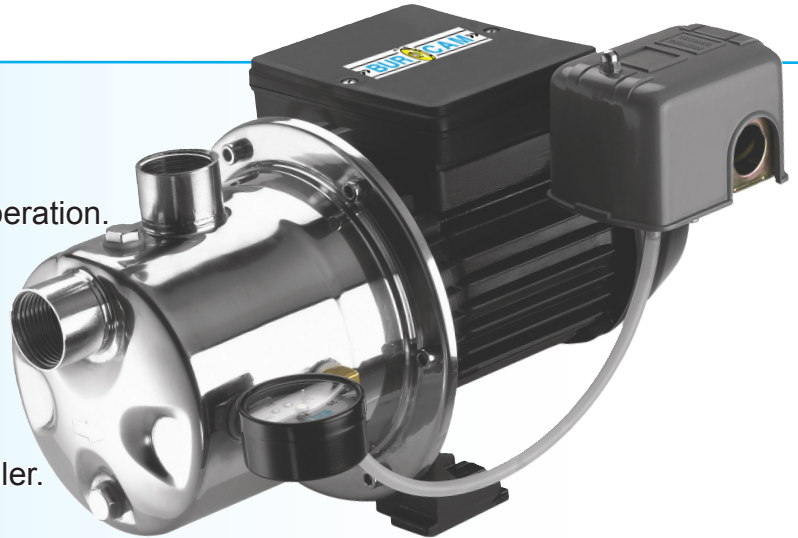
For a maximum vertical suction lift of 25 feet (7,5m)

Stainless Steel Pump Body SERIES 506

3/4 HP

506518SS

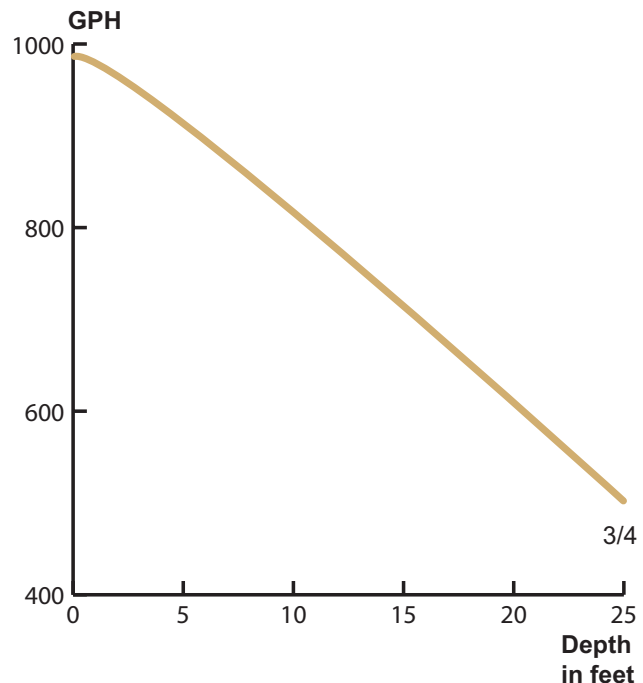
- TEFC motor 115/230V 60Hz. totally enclosed, bearing to bearing, with thermal and overload protection.
- Designed for intermediate or continuous operation.
- Easy to prime due to its design and its large pump body.
- Full time running capacitor, to eliminate starting wear.
- Stainless steel shaft and mechanical seal.
- Built-in ejector.
- Long life and high performance Noryl impeller.
- Recommended for home, cottage and farm applications.



Performance Charts

HP	PSI	0'	5'	10'	15'	20'	25'	
3/4	0	985	955	798	680	591	502	
	20	945	917	765	652	567	482	
	30	925	897	749	638	555	472	
	40	655	635	531	452	393	334	
Maximum Pressure:	50	370	359	300	255	222	189	USGPH

* Friction loss in pipe not included





JET PUMPS

Shallow well

With Captive Air Tank

Complete water systems, pre-assembled.

3/4 HP

Regular tank

506537SS c/w 25 liter tank

506548SS c/w 60 liter tank

506541SS c/w 80 liter tank

Stainless steel tank

506547SS c/w 25 liter tank

506538SS c/w 60 liter tank

- No water-air contact, rust free operation.
- No water-tank contact, eliminates seeping.
- No waterlogging, eliminates the need for air volume controls.



With Fluomac

Electronic system. No need for a conventional type tank.

Compact, portable, easy to use and store in wintertime.

3/4 HP

506532SS

- No maintenance.
- Fully electronic.
- Delivers full flow and pressure.
- No need for a tank or a pressure switch.
- Protects the pump from running dry.
- Not recommended for sand point application, unless using a sand filter.

This model is available in 115V only.



The main feature of the Fluomac System is its ability to regulate and control the delivery of water without the inconvenience of fluctuating pressure, which is especially useful when taking a shower along with many other applications.

In Sprinkler version

Designed for the following water sources : well, sand point, lake, river or creek.

3/4 HP

506530SS

- Designed for irrigation systems.
- 1" garden hose adaptor included.
- Strong and practical transportation handle.

This model is factory wired for 115V.



JET PUMPS



Shallow well

For a maximum vertical suction lift of 25 feet (7,5m)

Cast Iron Pump Body SERIES 506

1/2 HP
506121S

3/4 HP
506221S

- TEFC motor 115/230V 60Hz. totally enclosed, bearing to bearing, with thermal and overload protection.
- Recommended for home, cottage and farm applications.
- Easy to prime due to its design and its large pump body.
- Full time running capacitor, to eliminate starting wear.
- Stainless steel shaft and mechanical seal.
- Long life and high performance Noryl impeller.
- Built-in ejector.
- Designed for intermediate or continuous operation.



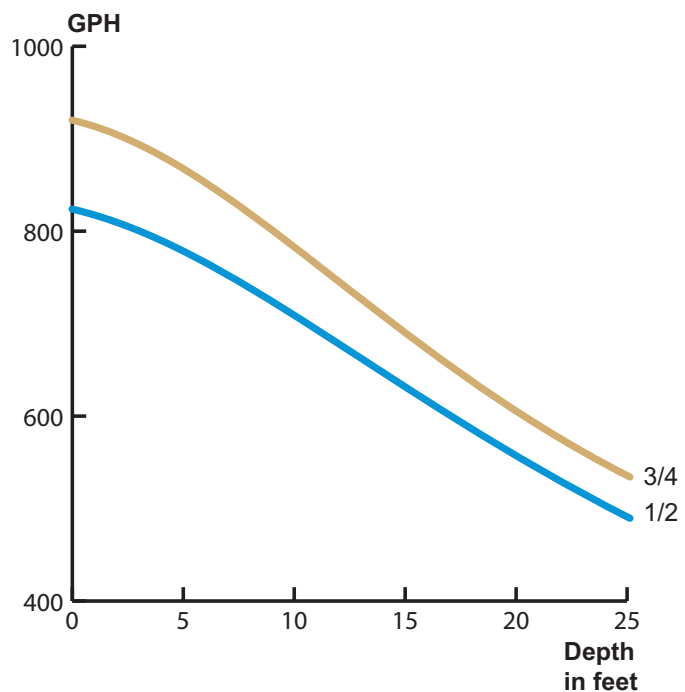
Performance Charts

HP	PSI	0'	5'	10'	15'	20'	25'	
1/2	0	820	787	697	631	549	492	
	20	780	749	663	601	523	468	
	Maximum Pressure: 30	740	710	629	570	496	444	
	Capacity up to: 65 PSI	40	535	514	455	412	358	321
	Capacity up to: 715 US GPH	50	310	298	264	239	208	186

* Friction loss in pipe not included

HP	PSI	0'	5'	10'	15'	20'	25'	
3/4	0	920	883	764	690	607	534	
	20	860	826	714	645	568	499	
	Maximum Pressure: 30	825	792	685	619	545	479	
	Capacity up to: 70 PSI	40	595	571	494	446	393	345
	Capacity up to: 800 US GPH	50	345	331	286	259	228	200

* Friction loss in pipe not included



1 800 361-1820



JET PUMPS

Shallow well

With Captive Air Tank

Complete water systems, pre-assembled.

1/2 HP

506127S c/w 25 liter tank

506128S c/w 60 liter tank

506131S c/w 80 liter tank

3/4 HP

506228S c/w 60 liter tank

506231S c/w 80 liter tank

- No water-air contact, rust free operation.
- No water-tank contact, eliminates seeping.
- No waterlogging, eliminates the need for air volume controls.



With Fluomac

Electronic system. No need for a conventional type tank.

Compact, portable, easy to use and store in wintertime.

1/2 HP

506132S

3/4 HP

506232S

These models are available in 115V only.

- No maintenance.
- Fully electronic.
- Delivers full flow and pressure.
- No need for a tank or a pressure switch.
- Protects the pump from running dry.
- Not recommended for sand point application, unless using a sand filter.



The main feature of the Fluomac System is its ability to regulate and control the delivery of water without the inconvenience of fluctuating pressure, which is especially useful when taking a shower along with many other applications.

In Sprinkler version

Designed for the following water sources : well, sand point, lake, river or creek.

1/2 HP

506120S

3/4 HP

506220S

These models are factory wired for 115V.

- Designed for irrigation systems.
- 1" garden hose adaptor included.
- Strong and practical transportation handle.



1 800 361-1820

JET PUMPS



Convertible

Shallow well maximum vertical suction lift of 25 feet (7,5m)
Deep well maximum vertical suction lift of 80 feet (24m)

Cast Iron Pump Body SERIES 506

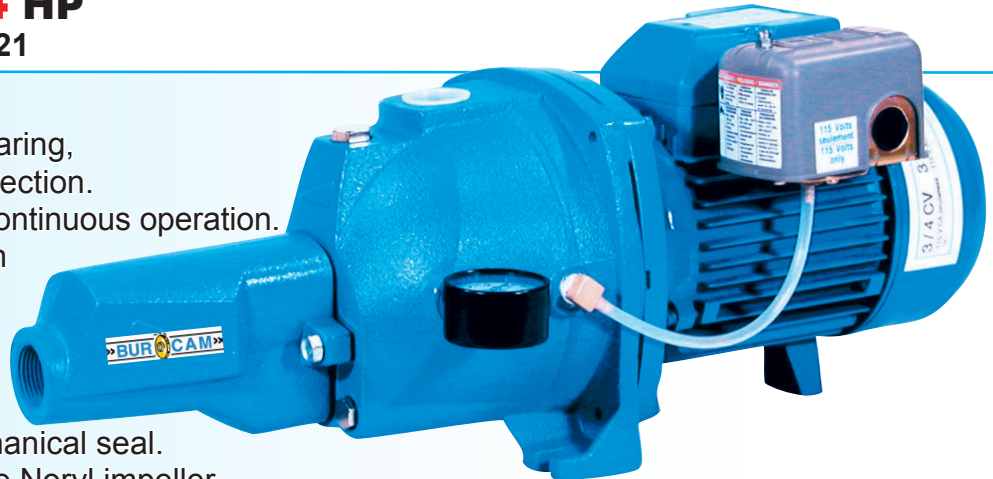
1/2 HP

506321

3/4 HP

506721

- TEFC motor 115/230V 60Hz. totally enclosed, bearing to bearing, with thermal and overload protection.
- Designed for intermediate or continuous operation.
- Easy to prime due to its design and its large pump body.
- Full time running capacitor, to eliminate starting wear.
- External ejector.
- Stainless steel shaft and mechanical seal.
- Long life and high performance Noryl impeller.
- Recommended for home, cottage and farm applications.



Performance Charts

Shallow Well Application

HP	PSI	0'	5'	10'	15'	20'	25'
1/2	0	840	806	638	546	412	277
	20	750	720	570	488	368	248
	30	675	648	513	439	331	223
	40	600	576	456	390	294	198
	50	520	499	395	338	255	172
Maximum Pressure: 65 PSI							
Capacity up to: 650 US GPH							

Deep Well Application

PSI	30'	40'	50'	60'	70'	80'
0	647	521	412	328	286	185
20	578	465	368	293	255	165
30	520	419	331	263	230	149
40	462	372	294	234	204	132
50	400	322	255	203	177	114

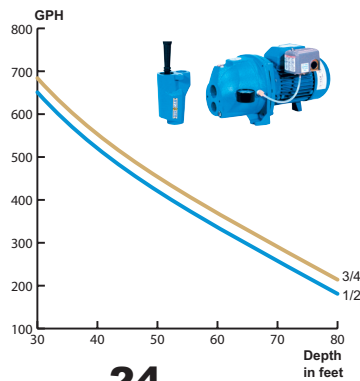
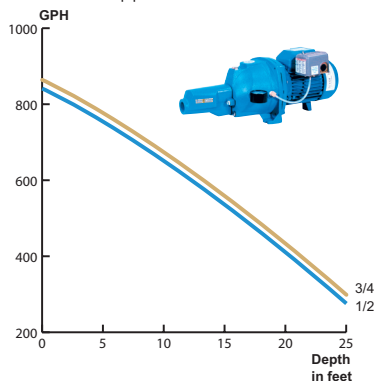
HP	PSI	0'	5'	10'	15'	20'	25'
3/4	0	855	821	650	556	436	308
	20	750	720	570	488	383	270
	30	685	658	521	445	349	247
	40	620	595	471	403	316	223
	50	545	523	414	354	278	196
Maximum Pressure: 65 PSI							
Capacity up to: 660 US GPH							

PSI	30'	40'	50'	60'	70'	80'
0	684	556	436	342	299	214
20	600	488	383	300	263	188
30	548	445	349	274	240	171
40	496	403	316	248	217	155
50	436	354	278	218	191	136

* Friction loss in pipe not included

USGPH

USGPH





JET PUMPS

Convertible

With Captive Air Tank

Complete water systems, pre-assembled.

1/2 HP

506327 c/w 25 liter tank

506328 c/w 60 liter tank

506331 c/w 80 liter tank

3/4 HP

506728 c/w 60 liter tank

506731 c/w 80 liter tank



- No water-air contact, rust free operation.
- No water-tank contact, eliminates seeping.
- No waterlogging, eliminates the need for air volume controls.

With Fluomac

Electronic system. No need for a conventional type tank.

Compact, portable, easy to use and store in wintertime.

1/2 HP

506332

3/4 HP

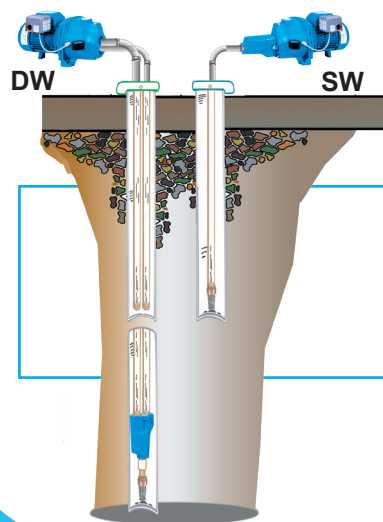
506732

These models are available in 115V only.

- No maintenance.
- Fully electronic.
- Delivers full flow and pressure.
- No need for a tank or a pressure switch.
- Protects the pump from running dry.
- Not recommended for sand point application, unless using a sand filter.



The main feature of the Fluomac System is its ability to regulate and control the delivery of water without the inconvenience of fluctuating pressure, which is especially useful when taking a shower along with many other applications.



A convertible jet pump can be used in shallow well applications to lift water up to 25' with the ejector screwed to the pump body and one pipe running to the well.

You also can convert it to a deep well application to lift water from 25' to 80' by installing the ejector into the well using a two pipe system.



1 800 361-1820

JET PUMP SELECTION



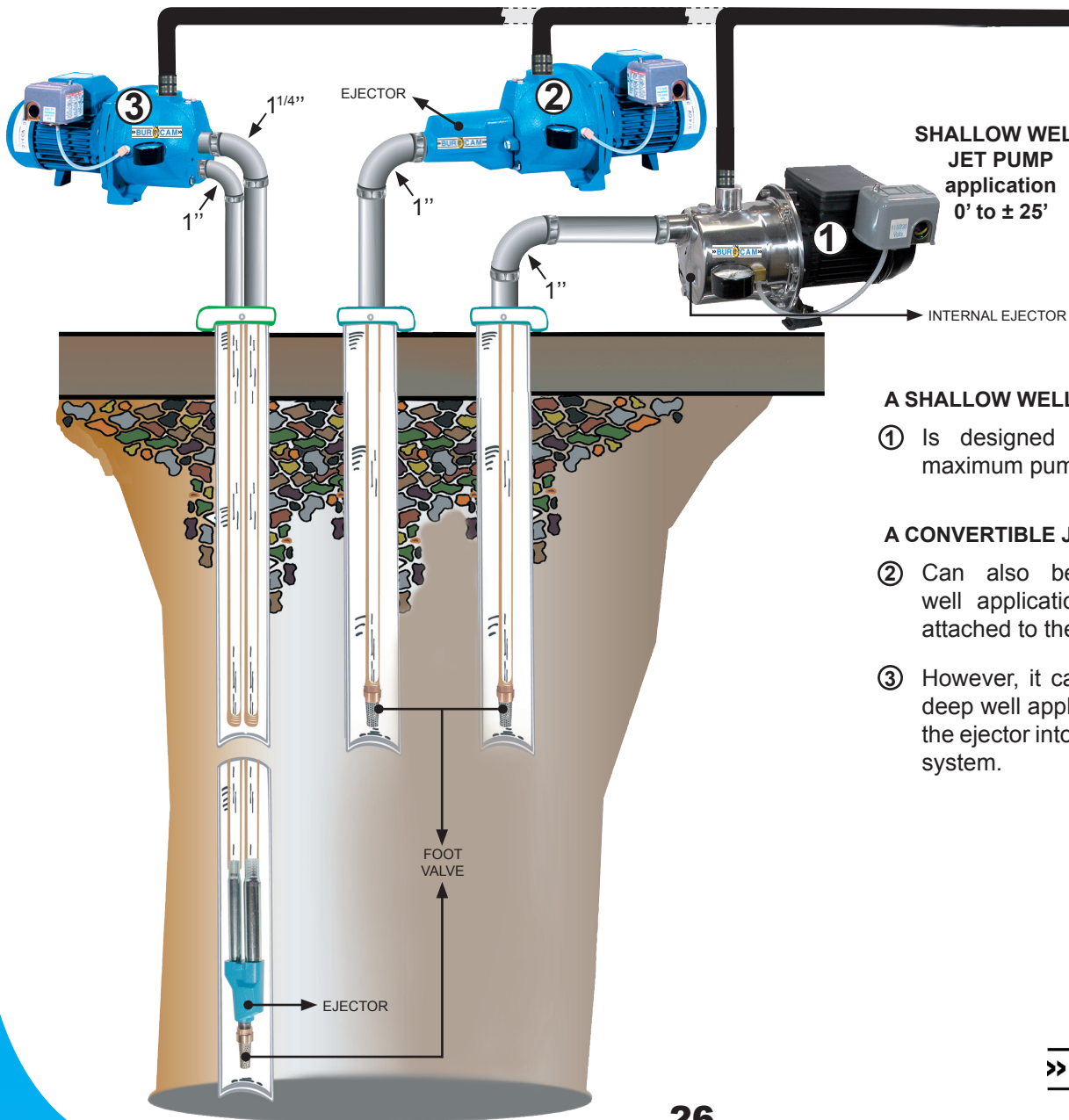
Typical Applications



**CONVERTIBLE
JET PUMP**
in deep well
application
0' to ± 80'

**CONVERTIBLE
JET PUMP**
in shallow well
application
0' to ± 25'

**SHALLOW WELL
JET PUMP**
application
0' to ± 25'



A SHALLOW WELL JET PUMP

- ① Is designed to lift water to a maximum pumping level of 25'.

A CONVERTIBLE JET PUMP

- ② Can also be used in shallow well applications with the ejector attached to the pump body.
- ③ However, it can be converted to a deep well application by positioning the ejector into the well with a 2 pipe system.

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